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# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR  
KELLY AFB, TEXAS

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

AUGUST 1990

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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#### PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: APR 80 - MAR 90 (AIRWAYS).

SUMMARY OF DAY DATA: SEP 37 - MAR 90 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HS	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE DATA COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY INDIVIDUAL AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 722535		STATION NAME KELLY AFB TEXAS		LATITUDE N 29 23		LONGITUDE W 098 35		FLD ELEV (FT) 690		CALL SIGN SKF		WMO NMGR	
STATION LOCATION AND INSTRUMENTATION HISTORY													
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY				
			From	To			FLD (FT)	BARO (FT)					
1	Kelly AAF Texas	AAF	Jan 38	Dec 44	N 29 23	W 098 34	680	683	24				
2	Same	Same	Jan 45	May 48	Same	Same	681	Same	24				
3	Kelly AFB Texas	AFB	Jun 48	Feb 64	Same	Same	685	682	24				
4	Same	Same	Mar 64	Feb 65	Same	Same	700	Same	24				
5	Same	Same	Mar 65	Dec 70	Same	W 098 35	690	Same	24				
6	Same	Same	Jan 71	Nov 89	Same	Same	Same	Same	24				
7	Same	Same	Dec 89	Feb 90	Same	Same	Same	686	24				

  

SURFACE WIND EQUIPMENT INFORMATION							REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
Nmbr of Loc	Date of Change	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND		
1	Jul 37	On W end of Ops Bldg	Anemometer	None	40 ft		
2	Jan 41	On S wing of Bldg 301	Selsyn	ML-144B	117 ft		
3	Apr 43	On S wing of Bldg 1610	Same	Same	Same		
4	Mar 53	1/4 mi NNW of Stn	Same	Same	20 ft		
5	Apr 55	500 yds NW of Stn in open field	Same	Same	25 ft		
6	Apr 56	1650 ft NNE of Stn	Same	Same	31 ft		
7	Jan 59	2000 ft NW of Stn	AN/GMQ-11	R0-2	13 ft		
8	Apr 63	650 ft W of N-S Rnwy (15/33) & 600 ft from S end of Rnwy	Same	Same	Same		
9	Apr 69	1 Approximately 608 ft measured perpendicular from the centerline of Rnwy 15, 1618 ft S of the end 2 Approximately 650 ft measured perpendicular from the centerline of Rnwy 33, 900 ft WNW of the end	AN/GMQ-20	R0-362	13 ft		
			Same	Same	Same		
10	Jan 88	1 Same 2 Same	Same Same	Same Same	Same Same		



PPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRRR	TT	AAAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	8.6	.5	.8		9.9	15.5	1.2			26.6	930
03-05	.2	11.1	.8	.3		12.2	20.1	1.8			34.1	930
06-08	.2	12.9	.8	.8		14.4	23.1	1.4			38.9	930
09-11	.1	10.9	.4	.9		12.2	19.1	2.4			33.7	930
12-14		8.1	.2	.9		9.1	9.0	1.7			19.9	930
15-17	.1	7.6		.6		8.3	6.2	2.2			16.7	930
18-20	.4	6.7	.5	.6		7.5	7.8	2.9			18.3	930
21-23	.2	7.4	.1	1.0		8.5	10.1	1.2			19.8	930
ALL HOURS	.2	9.1	.4	.7		10.3	13.9	1.8			26.0	7440

MONTH: FEB

00-02	1.1	11.5	.8	.4		12.6	17.6	.2			30.5	846
03-05	.9	12.4	.7	.4		13.5	19.7	.1			33.3	846
06-08	.2	12.2	.7	.1		13.0	24.1	1.5			38.7	846
09-11	.1	11.2	.8	.1		12.2	23.4	3.3			38.9	846
12-14	.1	9.3	.4	.1		9.8	11.8	2.7			24.3	846
15-17	.6	7.7	.4	.2	.1	8.4	8.0	1.5			18.0	846
18-20	.4	5.9	.2	.2		6.4	7.7	1.1			15.1	846
21-23	.4	8.3	.9			9.2	12.1	.5			21.7	846
ALL HOURS	.5	9.8	.6	.2	.0	10.6	15.6	1.4			27.6	6768

A - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKF &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.3	8.7				8.7	12.8	.1		.2	21.8	930
03-05	.6	11.5				11.5	20.3	.2		.3	32.4	930
06-08	.4	11.3				11.3	26.8	1.7		.3	40.1	930
09-11	.6	8.7				8.7	20.2	2.3			31.2	930
12-14	.2	5.3				5.3	6.8	2.2		.3	14.5	930
15-17	.2	4.7				4.7	2.9	2.0		.3	10.0	930
18-20	.4	3.6				3.6	3.2	2.2		.3	9.3	927
21-23	.6	4.3				4.3	4.9	.9		.3	10.4	927
ALL HOURS	.6	7.3				7.3	12.2	1.4		.3	21.2	7434

MONTH: APR

00-02	.3	4.2				4.2	9.6	1.2		.2	15.2	900
03-05	.8	7.0				7.0	16.9	1.7		.8	26.3	900
06-08	1.1	9.8				9.8	26.6	4.4		.7	41.4	900
09-11	.4	6.8				6.8	13.0	5.7		.6	26.0	900
12-14	.2	5.0				5.0	5.8	3.9		1.3	16.0	900
15-17	.4	3.0				3.0	3.3	2.2		1.0	9.6	900
18-20	1.0	4.0				4.0	2.4	2.0		.7	9.1	900
21-23	1.1	4.3				4.3	4.6	2.1		.3	11.3	900
ALL HOURS	.7	5.5				5.5	10.3	2.9		.7	19.4	7200

A - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	2.5	7.3				7.3	8.9	3.7			19.9	930
03-05	1.8	6.9				6.9	19.1	3.7			29.7	930
06-08	3.4	9.0				9.0	30.5	11.7			51.3	930
09-11	2.0	8.6				8.6	10.6	10.4			29.7	930
12-14	1.3	4.7				4.7	3.0	7.1			14.8	930
15-17	1.7	3.4			.1	3.5	2.0	4.5			10.1	930
18-20	2.8	4.3				4.3	1.5	3.7			9.5	930
21-23	2.8	4.9				4.9	2.0	2.9			9.9	930
ALL HOURS	2.3	6.2			.0	6.2	9.7	6.0			21.9	7440

MONTH: JUN

00-02	1.7	4.0				4.0	2.8	.9			7.7	900
03-05	1.8	5.4				5.4	7.2	2.3			15.0	900
06-08	1.0	4.7				4.7	13.4	7.4			25.6	900
09-11	.7	4.2				4.2	2.0	1.8			8.0	900
12-14	1.6	4.4				4.4	.3	.8			5.6	900
15-17	3.1	5.3				5.3	.3	.1			5.8	900
18-20	2.2	3.8				3.8	.2	.3			4.3	900
21-23	1.1	2.2				2.2	.6	.2			3.0	900
ALL HOURS	1.6	4.3				4.3	3.4	1.7			9.4	7200

A - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	.8				.8	.4	.8			1.9	930
03-05	.6	1.9				1.9	1.8	1.5			5.3	930
06-08	.2	1.4				1.4	6.8	5.7			13.9	930
09-11	.1	1.2				1.2	.8	1.9			3.9	930
12-14	1.1	1.5				1.5	.2	1.1			2.8	930
15-17	2.5	2.9				2.9		.9			3.8	930
18-20	1.5	1.8				1.8	.1	.6			2.6	930
21-23	.3	.8				.8	.1	.3			1.2	930
ALL HOURS	.8	1.5				1.5	1.3	1.6			4.4	7440

MONTH: AUG

00-02	.2	.8				.8	.3	.5			1.6	930
03-05	.3	1.9				1.9	.9	1.6			4.4	930
06-08	.4	2.4				2.4	3.4	7.4			13.2	930
09-11		1.1				1.1	.9	3.3			5.3	930
12-14	.6	1.7				1.7		2.3			4.0	930
15-17	2.0	2.7				2.7	.2	1.9			4.8	930
18-20	1.6	2.6				2.6	.4	1.7			4.7	930
21-23	.9	2.2				2.2	.8	1.0			3.9	930
ALL HOURS	.8	1.9				1.9	.9	2.5			5.2	7440

A - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.3	2.7				2.7	1.0	1.0			4.7	900
03-05	.4	2.9				2.9	5.0	2.8			10.7	900
06-08	.7	3.0				3.0	1.3	8.1			22.4	900
09-11	.6	4.1				4.1	2.8	5.3			12.2	900
12-14	.4	3.1				3.1	.8	1.9			5.8	900
15-17	2.7	3.4				3.4	.6	.7			4.7	900
18-20	2.7	3.8				3.8	.8	.7			5.2	900
21-23	.8	2.8				2.8	.2	.7			3.7	900
ALL HOURS	1.1	3.2				3.2	2.8	2.6			8.7	7200

MONTH: OCT

00-02	2.0	7.0				7.0	7.2	1.2			15.4	930
03-05	1.7	8.6				8.6	14.6	2.2			25.4	930
06-08	1.2	8.7				8.7	22.2	4.9			35.8	930
09-11	.8	6.6				6.6	10.0	4.2			20.8	930
12-14	.6	6.5				6.5	1.9	1.1			9.5	930
15-17	.4	4.8				4.8	1.8	.6			7.3	930
18-20	.4	4.0				4.0	1.7	.4			6.1	930
21-23	1.2	4.3				4.3	1.8	.2			6.3	930
ALL HOURS	1.0	6.3				6.3	7.7	1.9			15.8	7440

A - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.6	7.9		.3		8.2	17.2	.3			25.8	900
03-05	.8	10.2				10.2	23.7	.3			34.2	900
06-08	.7	9.9				9.9	29.1	1.6			40.6	900
09-11	.4	7.8				7.8	19.9	3.2			30.9	900
12-14	.1	5.3				5.3	6.7	2.0			14.0	900
15-17	.3	5.9				5.9	4.4	1.7			12.0	900
18-20	.2	5.7				5.7	6.3	1.8			13.8	900
21-23	.4	6.7				6.7	8.4	.6			15.7	900
ALL HOURS	.4	7.4		.0		7.5	14.5	1.4			23.4	7200

MONTH: DEC

00-02	.3	10.3		.2		10.5	17.2	.3			28.1	930
03-05	.5	12.8		.1		12.9	22.0	.3			35.3	930
06-08	.2	12.4		.2		12.6	24.6	1.2			38.4	930
09-11	.1	9.9				9.9	20.4	4.2			34.5	930
12-14		9.6	.1			9.7	10.2	2.6			22.5	930
15-17		7.2				7.2	8.3	1.7			17.2	930
18-20		7.2				7.2	9.2	1.3		.1	17.8	930
21-23		9.8				9.8	10.4	1.5			21.7	930
ALL HOURS	.1	9.9	.0	.1		10.0	15.3	1.6		.0	26.9	7440

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.2	9.1	.4	.7		10.3	13.9	1.8			26.0	7440
FEB	.5	9.8	.6	.2	.0	10.6	15.6	1.4			27.6	6768
MAR	.6	7.3				7.3	12.2	1.4		.3	21.2	7434
APR	.7	5.5				5.5	10.3	2.9		.7	19.4	7200
MAY	2.3	6.2			.0	6.2	9.7	6.0			21.9	7440
JUN	1.6	4.3				4.3	3.4	1.7			9.4	7200
JUL	.8	1.5				1.5	1.3	1.6			4.4	7440
AUG	.8	1.9				1.9	.9	2.5			5.2	7440
SEP	1.1	3.2				3.2	2.8	2.6			8.7	7200
OCT	1.0	6.3				6.3	7.7	1.9			15.8	7440
NOV	.4	7.4		.0		7.5	14.5	1.4			23.4	7200
DEC	.1	9.9	.0	.1		10.0	15.3	1.6		.0	26.9	7440
ANNUAL	.8	6.0	.1	.1	.0	6.2	8.9	2.2		.1	17.4	87642

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4901-9003  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	2.8	41.2	2.2	2.5	.2	41.6	43.5	13.4	.1		55.3	1302
FEB	5.6	40.6	1.3	1.8	.5	40.9	42.4	12.6	.4	55.1	1186	
MAR	6.9	42.4	.1	.4	.6	42.4	39.3	15.4		.4	56.2	1301
APR	13.7	43.0			1.4	43.0	42.5	20.2		.2	60.1	1230
MAY	20.1	43.3			1.4	43.3	40.4	25.9		.2	63.0	1271
JUN	15.6	30.9			.1	30.9	19.4	13.8		.2	46.3	1229
JUL	10.8	20.8			.2	20.8	9.5	7.9		.2	29.2	1271
AUG	14.6	25.6				25.6	10.5	11.5		.1	36.4	1271
SEP	14.1	32.7			.2	32.7	25.9	15.5		.1	48.9	1230
OCT	9.6	32.3			.2	32.3	34.9	18.0		.1	53.7	1270
NOV	4.5	34.1	.2	.6		34.1	39.3	13.7			52.3	1230
DEC	2.4	38.6	.4	1.2	.1	38.8	40.0	14.5			54.0	1271
ANNUAL	10.1	35.5	.3	.5	.4	35.5	32.3	15.2	.0	.2	50.9	15062

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02	.2	1.1	1.3	.3	2.5	1.7	.1	.2	.3	2.0	.6	.3
03-05	.2	.9	.6	.8	1.8	1.8	.6	.3	.4	1.7	.8	.5
06-08	.2	.2	.4	1.1	3.4	1.0	.2	.4	.7	1.2	.7	.2
09-11	.1	.1	.6	.4	2.0	.7	.1		.6	.8	.4	.1
12-14		.1	.2	.2	1.3	1.6	1.1	.6	.4	.6	.1	
15-17	.1	.6	.2	.4	1.7	3.1	2.5	2.0	2.7	.4	.3	
18-20	.4	.4	.4	1.0	2.8	2.2	1.5	1.6	2.7	.4	.2	
21-23	.2	.4	.6	1.1	2.8	1.1	.3	.9	.8	1.2	.4	
ALL HOURS	.2	.5	.6	.7	2.3	1.6	.8	.8	1.1	1.0	.4	.1
TOTAL OBS	7440	6768	7434	7200	7440	7200	7440	7440	7200	7440	7200	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OBS
TSTMS	21.4		35.7	35.7			7.1	14
LIQUID PRECIP	18.3		36.7	27.4	13.5	2.1	2.1	679
FREEZING PRECIP	12.5		40.6	15.6	6.3	9.4	15.6	32
FROZEN PRECIP	1.9		81.5	16.7				54
FOG	32.8		21.5	19.3	19.7	3.0	3.7	1033
FOG WITH VIS GE 1/2 MILES	26.7		23.5	21.6	21.4	3.2	3.6	880
TOTAL OBS	1860	0	2382	1174	1315	410	299	7440

MONTH: FEB HOURS: ALL

TSTMS	9.1		42.4	33.3	15.2			33
LIQUID PRECIP	13.4		29.6	34.1	18.7	2.9	1.4	659
FREEZING PRECIP			78.6	19.0	2.4			42
FROZEN PRECIP	55.6		33.3		11.1			18
FOG	22.5		17.0	30.4	23.9	4.8	1.3	1051
FOG WITH VIS GE 1/2 MILES	19.9		17.8	31.7	24.4	4.8	1.4	996
TOTAL OBS	1255	0	2115	1159	1627	418	194	6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OBS
TSTMS	7.1		42.9	19.0	14.3	9.5	7.1	42
LIQUID PRECIP	7.1		24.2	20.6	42.9	3.8	1.3	524
FREEZING PRECIP								
FROZEN PRECIP								
FOG	16.7		9.2	13.1	53.7	6.0	1.2	910
FOG WITH VIS GE 1/2 MILES	16.4		9.3	13.2	54.4	5.6	1.1	892
TOTAL OBS	1088	0	1636	920	2989	524	277	7434

MONTH: APR HOURS: ALL

TSTMS			40.8	14.3	44.9			49
LIQUID PRECIP	5.9		23.0	32.2	34.9	3.0	1.1	370
FREEZING PRECIP								
FROZEN PRECIP								
FOG	14.1		9.6	23.1	48.4	3.2	1.5	739
FOG WITH VIS GE 1/2 MILES	13.3		9.3	23.7	48.8	3.3	1.5	721
TOTAL OBS	865	0	1424	1112	3154	465	180	7200

A - 5 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OBS
TSTMS	3.5		27.9	28.5	32.0	3.5	4.7	172
LIQUID PRECIP	3.5		13.6	26.0	52.5	3.2	1.2	339
FREEZING PRECIP								
FROZEN PRECIP								
FOG	13.1		6.1	15.9	58.4	6.2	.3	723
FOG WITH VIS GE 1/2 MILES	13.2		6.1	15.8	58.4	6.2	.3	721
TOTAL OBS	712	0	857	1143	4261	377	90	7440

MONTH: JUN HOURS: ALL

TSTMS	10.2		20.3	28.0	28.0	5.1	8.5	118
LIQUID PRECIP	7.7		16.3	27.6	42.1	4.5	1.8	221
FREEZING PRECIP								
FROZEN PRECIP								
FOG	26.0		2.1	13.6	50.8	7.0	.4	242
FOG WITH VIS GE 1/2 MILES	26.0		2.1	13.6	50.8	7.0	.4	242
TOTAL OBS	949	0	524	831	4406	414	75	7199

A - 5 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OBS
TSTMS	11.7		18.3	20.0	35.0	13.3	1.7	60
LIQUID PRECIP	12.9		3.5	35.3	44.7	2.4	1.2	85
FREEZING PRECIP								
FROZEN PRECIP								
FOG	31.6		3.2	18.9	37.9	8.4		95
FOG WITH VIS GE 1/2 MILES	31.6		3.2	18.9	37.9	8.4		95
TOTAL OBS	1192	0	158	625	4856	565	44	7440

MONTH: AUG HOURS: ALL

TSTMS	8.8		21.1	12.3	45.6	10.5	1.8	57
LIQUID PRECIP	7.3		16.4	45.5	27.3	1.8	1.8	110
FREEZING PRECIP								
FROZEN PRECIP								
FOG	21.9		14.1	26.6	31.3	3.1	3.1	64
FOG WITH VIS GE 1/2 MILES	21.9		14.1	26.6	31.3	3.1	3.1	64
TOTAL OBS	1480	0	282	669	4465	471	73	7440

A - 5 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OBS
TSTMS	11.7		18.2	23.4	36.4	9.1	1.3	77
LIQUID PRECIP	10.2		23.1	29.6	30.6	4.8	1.6	186
FREEZING PRECIP								
FROZEN PRECIP								
FOG	35.6		7.4	22.8	31.2	3.0		202
FOG WITH VIS GE 1/2 MILES	35.6		7.4	22.8	31.2	3.0		202
TOTAL OBS	1490	0	896	1146	3238	384	46	7200

MONTH: OCT HOURS: ALL

TSTMS	5.1		33.3	28.2	11.5	10.3	11.5	78
LIQUID PRECIP	14.6		35.1	24.9	22.5	2.5	.5	405
FREEZING PRECIP								
FROZEN PRECIP								
FOG	35.6		12.5	21.4	28.9	1.9	1.1	570
FOG WITH VIS GE 1/2 MILES	35.6		12.1	20.2	29.8	2.0	.9	554
TOTAL OBS	1709	0	1320	1071	2826	397	117	7440

A - 5 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OS
TSTMS	18.8		34.4	28.1	9.4	3.1	6.3	32
LIQUID PRECIP	19.2		39.0	23.4	13.2	3.1	2.1	516
FREEZING PRECIP								
FROZEN PRECIP			100.0					3
FOG	34.1		13.2	20.6	23.4	6.2	2.4	1042
FOG WITH VIS GE 1/2 MILES	31.9		13.8	21.2	24.3	6.3	2.5	957
TOTAL OBS	1912	0	1897	860	1852	505	174	7200

MONTH: DEC HOURS: ALL

TSTMS	9.1		9.1	54.5	9.1	9.1	9.1	11
LIQUID PRECIP	15.2		40.7	29.2	13.2	1.1	.7	751
FREEZING PRECIP				100.0				1
FROZEN PRECIP			80.0	20.0				5
FOG	34.4		22.2	19.5	18.2	4.0	1.7	1138
FOG WITH VIS GE 1/2 MILES	31.0		23.6	20.1	19.5	4.1	1.7	980
TOTAL OBS	1989	0	2457	1133	1154	454	253	7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	291 - 030	031 - 090	091 - 189	190 - 240	241 - 290	NO OF OBS
TSTMS	7.9		27.5	25.2	28.1	6.3	5.0	743
LIQUID PRECIP	12.6		29.9	28.1	25.2	2.7	1.4	4845
FREEZING PRECIP	5.3		61.3	18.7	4.0	4.0	6.7	75
FROZEN PRECIP	13.8		71.3	12.5	2.5			80
FOG	26.3		14.0	20.3	33.1	4.6	1.7	7809
FOG WITH VIS GE 1/2 MILES	24.0		14.2	21.0	34.5	4.6	1.6	7304
TOTAL OBS	16501	0	15948	11843	36143	5384	1822	87641

A - 5 - 7



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## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAIL EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3901-9003  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	58.6	57.7	58.1	57.7	57.1	68.5	78.9	74.2	67.3	68.1	65.6	61.0	64.4
TRACE	17.4	17.6	21.1	20.4	17.8	12.5	8.2	9.7	11.4	10.9	15.2	16.8	14.9
.01	4.1	3.5	3.5	3.1	2.7	1.5	1.5	1.3	1.4	1.8	1.9	3.5	2.5
.02-.05	6.9	6.2	6.3	4.8	4.7	2.8	2.0	2.8	3.5	3.9	4.1	6.8	4.6
.06-.10	3.9	3.6	2.9	2.4	2.2	1.8	2.0	1.8	2.2	2.3	2.9	3.6	2.6
.11-.25	4.4	4.4	3.3	3.1	4.2	3.9	2.2	2.2	3.9	4.0	3.5	4.0	3.6
.26-.50	2.4	3.8	2.1	2.8	3.4	2.7	1.9	3.2	3.3	3.0	2.8	2.1	2.8
.51-1.00	1.4	1.9	1.9	3.5	4.2	3.2	1.9	2.2	3.4	3.1	2.8	1.5	2.6
1.01-2.50	.8	1.4	.7	1.9	3.6	2.4	1.3	2.3	2.5	2.3	1.2	.7	1.8
2.51-5.00	.1		.1	.3	.3	.7	.2	.4	.8	.6	.1	.1	.3
5.01-10.00									.3				.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	24.0	24.8	20.8	22.0	25.1	19.0	12.9	16.1	21.2	21.0	19.2	22.2	20.7
TOTAL NO. OF OBSERVATIONS	1605	1469	1612	1528	1581	1528	1579	1581	1530	1580	1530	1581	18704

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3901-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39	.52*	.82	.36	.32	1.87	.18	4.88	2.42	1.32	.15	2.61	.83	16.28*
40	.42	1.63	.72	1.74	3.57	7.58	3.40	1.95	1.35	4.90	3.23	2.83	33.32
41	1.68	1.95	3.25	4.19	4.61	2.26	1.06	1.01	5.06	1.53	.61	.87	28.08
42	.18	1.64	.31	3.59	1.92	1.10	2.56	2.82	12.99	5.77	.43	.27	33.58
43	.61	.04	1.00	1.34	1.64	2.32	1.57	.55	4.40	.59	2.22	.98	17.26
44	2.72	.66	2.60	1.66	4.64	1.68	1.20	6.49	.94	2.23	4.09	4.03	32.94
45	2.12	4.85	3.01	1.39	2.22	2.44	1.34	.72	2.50	2.54	1.02	1.25	25.40
46	3.10	1.83	1.16	4.96	4.72	3.80	.58	5.91	13.50	3.27	2.64	2.81	48.28
47	2.53	.11	1.25	.08	3.74	.17	.88	4.75	.17	.56	1.45	.95	16.64
48	.48	2.51	.53	.96	3.03	3.45	2.27	2.69	2.16	2.24	1.27	.24	21.83
49	2.63	4.42	1.94	10.02	1.06	6.52	2.01	.39	.23	6.51	.12	2.28	38.13
50	.25	1.86	.24	2.03	2.48	1.35	2.18	2.94	2.98	.12	.10	.01	16.54
51	.26	1.71	2.83	.69	5.71	2.03	.24	.53	3.55	.80	1.11	.12	19.58
52	.53	2.37	1.64	2.62	2.23	1.10	1.01	TRACE	4.31	.00	3.01	2.96	21.78
53	.43	1.06	.48	1.71	.84	1.73	TRACE	4.39	3.04	3.65	.33	1.73	19.39
54	.81	TRACE	.03	2.07	1.99	.13	.33	.19	.23	1.95	1.08	.15	8.96
55	1.58	2.78	.66	.56	5.97	1.47	.86	2.73	.44	.80	1.28	.49	19.62
56	.74	.73	.24	.13	.90	.35	.63	4.17	.06	2.66	1.28	1.58	13.47
57	.44	1.91	3.45	10.19	6.55	1.87	.02	.05	10.54	4.04	2.56	.31	41.43
58	4.66	4.53	1.09	.99	3.70	1.86	3.20	.51	9.28	5.43	.38	.72	36.35
59	.34	1.55	.29	3.44	2.04	.87	1.68	4.36	.86	7.39	1.86	1.56	26.24
60	.65	.73	2.33	.89	1.74	3.76	3.85	2.81	1.22	9.02	1.73	2.71	31.44
61	.67	1.95	.08	.53	.08	5.83	6.12	.58	4.14	2.32	1.47	.58	24.35
62	.41	.70	.53	3.40	1.26	2.60	.58	1.54	1.76	.09	1.09	1.66	15.60
63	.30	2.90	.06	1.61	.72	3.72	.14	.21	3.30	6.16	2.02	1.10	22.24
64	2.19	2.18	3.72	1.03	3.10	1.52	1.06	3.37	5.31	2.65	4.46	1.22	31.81
65	.91	5.89	2.90	1.50	7.68	1.96	.10	.96	3.15	2.13	1.45	3.76	32.39
66	1.43	1.55	.47	2.31	5.30	1.07	.12	4.36	3.39	.21	TRACE	.07	20.28
67	.14	.47	1.22	1.08	.54	TRACE	3.42	.86	12.29	1.47	3.35	1.08	25.90
68	9.04	1.80	1.03	1.74	3.31	5.36	2.26	.92	3.64	1.24	4.19	.55	55.08
69	1.47	2.36	2.92	2.58	7.43	1.81	.03	6.70	1.16	6.34	2.29	2.16	37.25
70	1.12	2.97	2.31	1.27	9.29	.68	.49	2.73	3.05	1.03	TRACE	.23	25.17

B - 2 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3901-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	.02	.34	.04	.88	1.48	4.25	.09	7.91	4.49	4.68	2.80	2.41	29.39
72	1.55	.37	.24	1.75	7.37	2.11	3.09	5.14	3.20	1.38	2.84	.45	29.49
73	2.77	3.88	1.20	4.97	.97	9.20	5.22	1.43	10.07	5.46	.10	.10	45.37
74	1.74	.06	1.37	2.04	5.16	.84	.57	15.07	3.34	5.07	3.18	1.11	39.55
75	.83	3.13	.27	2.81	7.14	2.47	1.90	.93	1.08	2.66	.03	1.56	24.81
76	.34	.04	1.81	6.07	7.51	.84	3.18	1.80	6.41	8.59	2.50	1.98	41.07
77	3.08	.58	1.01	6.84	3.61	1.79	.11	.31	3.68	2.92	2.92	.45	27.30
78	.63	1.64	1.03	2.42	2.22	3.01	3.02	4.39	5.58	.38	5.06	.97	30.35
79	3.25	1.19	1.78	4.58	1.95	6.54	3.76	2.27	.78	.07	.96	1.66	28.79
80	.35	.71	1.27	1.07	6.93	TRACE	.44	5.46	3.76	1.23	3.90	.68	25.80
81	2.14	.66	1.59	2.61	4.72	13.51	.32	3.28	2.78	7.47	.27	.79	40.14
82	.76	1.69	.56	1.26	3.53	2.36	TRACE	1.47	.65	4.64	4.01	1.89	22.82
83	1.29	1.91	3.30	.06	3.54	3.50	3.47	1.70	2.95	1.90	1.73	.40	25.75
84	1.71	.49	.99	.28	1.86	.99	.09	.81	.95	6.27	1.30	2.50	18.24
85	2.56	1.34	2.45	3.79	1.86	7.90	2.28	2.77	7.07	6.07	3.18	.08	41.35
86	.95	2.16	.50	.50	6.60	10.11	.46	1.95	6.95	7.16	1.67	6.39	45.40
87	.92	4.25	.57	.63	10.24	8.77	1.33	.42	1.65	.79	2.17	1.59	33.33
88	.17	.76	1.40	1.21	1.32	1.94	2.56	1.40	3.68	.38	.02	.44	15.28
89	3.00	.61	.61	3.83	.31	4.53	.17	.57	.93	2.58	1.00	.64	18.78
90	.69	2.38	3.66										6.73*



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3901-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
LEAST	.02	TRACE	.02	.06	.08	TRACE	TRACE	TRACE	.06	.00	TRACE	.01	8.96
GREATEST	9.04	5.80	.72	10.19	10.24	13.51	6.12	15.07	13.50	9.02	5.06	6.39	48.28
MEAN	1.44	1.1	1.35	2.36	3.01	3.08	1.61	2.62	3.77	3.13	1.85	1.34	28.68
MEDIAN	.91	1.64	1.06	1.71	3.10	2.03	1.06	1.95	3.15	2.54	1.67	.98	26.77
SD	.514	1.359	1.084	2.220	2.520	2.924	1.536	2.650	3.372	2.547	1.342	1.223	9.289
TOTAL OBS	1605	1469	1612	1528	1581	1528	1579	1581	1530	1580	1530	1581	18704

THE GREATEST VALUE OF 15.07 OCCURRED ON 08/74

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 2C

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3901-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39	.21*	.30	.29	.15	1.43	.12	3.99	1.33	.44	.14	1.94	.57	3.99*
40	.29	.50	.27	1.45	1.07	4.73	1.98	1.05	.66	1.64	1.05	1.01	4.73
41	.91	.64	1.74	1.94	1.61	1.22	.57	.33	2.68	.29	.28	.63	2.68
42	.17	.73	.20	1.21	1.02	.46	1.51	1.14	8.05	3.52	.41	.21	8.05
43	.43	.02	.87	.79	.61	1.36	.99	.48	1.56	.22	.93	.33	1.56
44	1.66	.31	.70	1.15	1.21	1.05	1.20	2.28	.59	1.93	1.35	1.57	2.28
45	1.36	1.47	.88	.69	1.36	1.34	.94	.32	1.99	1.45	.52	.58	1.99
46	.90	1.10	.74	1.34	1.25	1.61	.55	2.66	5.80	1.21	2.12	2.27	5.80
47	.85	.10	1.14	.05	1.00	.11	.50	1.03	.17	.50	.73	.70	1.14
48	.16	.89	.17	.80	1.32	1.35	1.09	.96	1.58	1.83	.64	.10	1.83
49	.55	2.41	1.01	3.43	.70	2.49	1.37	.35	.15	3.27	.12	.71	3.43
50	.05	.37	.09	.64	1.75	.65	1.56	1.66	1.71	.09	.06	.01	1.75
51	.13	.77	1.30	.45	1.84	1.85	.24	.51	2.38	.27	.44	.09	2.38
52	.35	.88	.88	1.21	.83	.70	.65	TRACE	2.46	.00	.97	1.13	2.46
53	.24	.29	.18	.77	.30	1.39	TRACE	1.56	1.33	1.02	.16	.72	1.56
54	.44	TRACE	.03	.64	.83	.10	.33	.09	.23	1.04	.48	.13	1.04
55	.66	2.05	.57	.56	1.97	.60	.59	1.96	.22	.63	.74	.43	2.05
56	.65	.20	.10	.12	.37	.34	.37	3.48	.03	2.15	.63	.93	3.48
57	.23	.83	.85	3.39	2.06	.73	.02	.03	3.58	2.10	.95	.13	3.58
58	1.27	1.90	.34	.41	2.36	1.55	1.61	.51	1.82	1.22	.13	.36	2.36
59	.17	.41	.25	1.90	.86	.44	.68	1.85	.40	4.07	1.10	.92	4.07
60	.29	.26	1.93	.70	.65	3.27	2.47	1.73	.86	2.82	.50	1.23	3.27
61	.31	1.61	.06	.29	.05	2.18	2.84	.38	2.59	.78	.89	.18	2.84
62	.15	.49	.49	1.58	1.22	1.61	.58	1.18	1.07	.09	.34	.82	1.61
63	.17	1.86	.03	1.32	.30	2.01	.09	.21	2.18	4.13	.73	.67	4.13
64	1.21	.60	3.34	.54	2.13	.63	.86	1.83	2.96	2.59	4.28	1.11	4.28
65	.49	2.14	2.37	.78	3.55	1.9	.09	.31	2.60	.81	.94	2.30	3.55
66	.59	.31	.27	1.55	1.76	.62	.06	1.20	.73	.14	TRACE	.05	1.76
67	.09	.45	.70	.73	.26	TRACE	1.46	.47	6.35	.91	1.33	.44	6.35
68	3.49	.86	.51	.75	1.82	2.03	1.07	.79	1.14	.62	1.73	.25	3.49
69	.53	1.27	1.88	.84	2.66	.76	.01	2.20	.87	2.06	1.51	.97	2.66
70	.35	1.58	1.00	.85	4.67	.45	.34	2.01	.75	.43	TRACE	.05	4.67

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3901-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	.02	.24	.02	.76	.92	1.35	.06	1.89	1.87	1.42	2.12	.98	2.12
72	.85	.28	.13	.94	2.02	.91	1.66	2.50	1.80	.54	1.00	.09	2.50
73	.90	1.15	.36	2.41	.57	2.79	2.66	.84	5.82	1.94	.07	.10	5.82
74	.69	.06	.91	.88	1.45	.59	.35	4.94	1.18	1.59	1.30	.25	4.94
75	.37	1.46	.10	1.10	1.29	1.21	.76	.71	.48	2.55	.02	1.41	2.55
76	.24	.03	.84	1.24	2.94	.61	.68	1.07	3.20	2.02	.51	.54	3.20
77	1.18	.18	.52	2.86	1.45	.84	.06	.16	2.65	1.30	1.76	.22	2.86
78	.28	.68	.67	1.29	1.10	1.35	2.22	3.06	3.19	.28	3.10	.52	3.19
79	1.37	.38	.37	1.17	.59	4.05	1.27	.81	.51	.04	.36	.70	4.05
80	.10	.28	.77	.75	1.39	TRACE	.25	4.43	1.38	.80	1.49	.22	4.43
81	1.83	.56	.50	1.21	2.47	4.74	.15	1.59	1.38	4.95	.10	.42	4.95
82	.50	.78	.12	.56	1.30	1.32	TRACE	.83	.53	1.40	1.95	.50	1.95
83	.48	.70	1.80	.05	1.23	1.25	1.33	.80	1.90	1.47	.74	.29	1.90
84	.82	.21	.52	.23	.88	.42	.08	.76	.50	2.04	1.06	.57	2.04
85	1.20	.49	1.20	1.39	1.34	4.11	1.46	2.49	2.11	2.70	.66	.03	4.11
86	.43	2.06	.32	.44	2.06	3.76	.35	.87	2.94	2.54	.70	3.66	3.76
87	.73	.98	.20	.48	3.43	2.21	.56	.29	1.13	.52	1.18	.58	3.43
88	.15	.61	1.12	.52	.76	.95	1.70	1.15	3.11	.15	.01	.14	3.11
89	1.02	.38	.36	2.57	.14	2.74	.17	.38	.58	1.31	.35	.45	2.74
90	.40	1.07	1.18										1.18*
.....													
GREATEST	3.49	2.41	3.34	3.43	4.67	4.74	3.99	4.94	8.05	4.95	4.28	3.66	8.05
.....													
TOTAL OBS	1605	1469	1612	1528	1581	1528	1579	1581	1530	1580	1530	1581	18704

THE GREATEST VALUE OF 8.05 OCCURRED ON 09/04/42

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4601-9003  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	97.3	98.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	98.8	99.4
TRACE	2.2	1.3	.5								.6	1.2	.5
0.1-0.4	.1	.1											.0
0.5-1.4		.3											.0
1.5-2.4	.1	.1											.0
2.5-3.4	.1	.1											.0
3.5-4.4	.1												.0
4.5-5.4													
6.5-10.4													
10.5-15.4	.1												.0
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	.5	.5											.1
TOTAL NO. OF OBSERVATIONS	1395	1271	1395	1319	1364	1320	1364	1364	1320	1363	1320	1364	16159

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4601-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
47	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
48	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
49	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
59	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
64	TRACE	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.7
65	.0	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
66	TRACE	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
67	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
73	1.5	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4601-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
82	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	20.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0
86	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
87	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
88	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
89	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
90	.0	.0	.0										.0*
.....													
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	20.0	3.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	20.0
MEAN	.6	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.8
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
SD	3.029	.704	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.151
TOTAL OBS	1395	1271	1395	1319	1364	1320	1364	1364	1320	1363	1320	1364	16159
.....													

THE GREATEST VALUE OF 20.0 OCCURRED ON 01/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4601-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
47	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
48	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
49	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
59	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
64	TRACE	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.7
65	.0	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
66	TRACE	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
67	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
73	1.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE

B - 3 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4601-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
82	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	13.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7
86	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
87	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
88	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
89	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
90	.0	.0	.0										.0*

GREATEST	13.7	2.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	13.7
TOTAL OBS	1395	1271	1395	1319	1364	1320	1364	1364	1320	1363	1320	1364	16159

THE GREATEST VALUE OF 13.7 OCCURRED ON 01/12/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9
TRACE	.4	.3										.1	.1
1	.2	.1											.0
2	.3												.0
3	.1	.1											.0
4-6		.1											.0
7-12	.1												.0
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	.7	.3											.1
TOTAL NO. OF OBSERVATIONS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37									0	0	0	0	0*
38	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0
40	1	0	0	0	0	0	0	0	0	0	0	0	1
41	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	2	1	0	0	0	0	0	0	0	0	0	0	2
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	1	0	0	0	0	0	0	0	0	0	0	1
66	0	3	0	0	0	0	0	0	0	0	0	0	3
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

B - 4 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
73	2	4	0	0	0	0	0	0	0	0	0	0	4
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	12	0	0	0	0	0	0	0	0	0	0	0	12
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
90	0	0	0										0*
.....													
GREATEST	12	4	0	0	0	0	0	0	0	0	0	TRACE	12*
.....													
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203

THE GREATEST VALUE OF 12 OCCURRED ON 01/13/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX

PERIOD OF RECORD: 3709-9003  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
39 - 40			JAN 22			JAN 24
46 - 47	DEC 31			JAN 16		
47 - 48	DEC 12			MAR 11		
48 - 49	JAN 29	JAN 30	JAN 30	JAN 30	JAN 30	FEB 01
50 - 51	JAN 29			MAR 12		
52 - 53	JAN 16			JAN 16		
53 - 54	DEC 12			DEC 12		
54 - 55	DEC 17			FEB 20		
55 - 56	NOV 08			NOV 08		
57 - 58	NOV 22			FEB 12		
58 - 59	DEC 31			JAN 05		
59 - 60	FEB 12			FEB 12		
60 - 61	DEC 13			JAN 25		
61 - 62	MAR 01			MAR 14		
62 - 63	FEB 11			FEB 11		
63 - 64	DEC 21	FEB 21		MAR 09	FEB 21	
64 - 65	DEC 05	FEB 24	FEB 24	MAR 03	FEB 24	FEB 24
65 - 66	JAN 21	FEB 22	FEB 23	FEB 23	FEB 23	FEB 23
66 - 67	JAN 09			FEB 06		
67 - 68	DEC 10			FEB 22		
68 - 69	NOV 08			NOV 09		
69 - 70	JAN 18			FEB 20		
71 - 72	JAN 04			JAN 31		
72 - 73	JAN 09	JAN 11	JAN 11	FEB 09	FEB 09	FEB 09
74 - 75	JAN 12			JAN 12		
76 - 77	NOV 28			NOV 28		
77 - 78	MAR 04			MAR 04		
78 - 79	JAN 28			JAN 29		
79 - 80	FEB 17			FEB 17		
80 - 81	NOV 25			JAN 18		

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX

PERIOD OF RECORD: 3709-9003  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
81 - 82	JAN 11	JAN 13		FEB 06	FEB 05	
84 - 85	JAN 02	JAN 02	JAN 03	FEB 01	JAN 13	JAN 15
85 - 86	JAN 08			JAN 08		
86 - 87	DEC 11			JAN 21		
87 - 88	DEC 25			FEB 07		
88 - 89	FEB 05			FEB 05		
89 - 90	DEC 12			DEC 18		

MEDIAN-DATE	JAN 03	JAN 30	JAN 26	FEB 05	FEB 09	FEB 05
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PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC
PP	AA AA	RR RR	TT	

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4702-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
47		N 35	NNW 36	NW 38	ESE 52	N 30	NNW 43	ENE 35	N *33	ESE 33	N 47	N 69	N *69
48	ENE 49	NW 49	NW 55	S 38	NE 50	NNW 65	SSW 44	NNW 57	ESE 36	N 47	NNW 49	N 35	NNW 65
49	NNE 47	NNE 33	N 40	NE 42	ESE 41	NNW 45	ENE 36	NNW 43	SSW 37	NNW 52	NNW 34	N 36	NNW 52
50	NNE 42	WNW 39	WSW 44	WNW 45	NNE 52	ESE 36	ENE 49	ESE 29	NNW 50	NE 33	NNW 59	NNW 43	NNW 59
51	N 55	NNW 38	NNW 46	NW 57	NNW*33	NE 31	SE 30	ESE 37	S 36	NE 26	N 34	N 32	NW *57
52	NE 31	NW 35	N 43	SSE 32	WNW 43	S 34	NNE 32	ESE 26	NNE 28	NNE 29	NNE 32	N 36	N 43
53	WNW 33	ESE 24	NNW 28	W 42	NNE 28	ENE 41	SE 26	SE *29	SE 35	NW 33	NNE 29	N 33	W *42
54	N 30	N 42	N *39	W 43	NE 27	SSE 35	SE 34	S 34	S 35	NNE 36	NNE 30	NW 33	W *43
55	SSE*28	NNE 35	NNE 42	SSE 38	SE 29	N 44	N 30	NNE 32	N 23	NNE 26	N 32	N 36	N *44
56	NNE 26	N 31	NNW 38	NW 38	E 44	ESE*30	SSE 34	NNE 34	S 29	NNE 42	N 35	NNE 35	E *44
57	NNE 37	NE 30	N 40	NNW 38	E 40	NNE 56	ESE 24	N 32	E 41	ESE 28	N 35	N 39	NNE 56
58	NNE 32	W 38	WNW 28	SE 32	S 31	E 25	S 28	S 26	SE 32	NE 24	NNW 31	N 32	W 38
59	N 36	NNE 28	NNE 32	SE 32	NNE 31	N 37	NNE 38	NE 39	ESE 27	S 42	N 32	WNW 32	S 42
60	N 30	SW 40	N 25	E 28	NNW 40	N 30	NW 26	ESE 30	N 32	NW 39	NE 30	N 28	SW 40
61	N 41	NW 34	NW 34	N 41	N 34	WNW 34	SSE 32	NE 39	NNE*36	NNW*27	W *36	N 32	N *41
62	N 38	NW 30	W 33	N 32	NNW 39	NNE 40	SE 27	NNE 55	NNW 30	NE 27	N 23	NE *24	NNE*55
63	NNE*32	N *34	N *35	ESE*31	SE *26	NNE*39	SE *28	E *35	N *37	SE *28	N *29	N *28	NNE*39
64	N *26	N 26	NW *33	N *28	ESE 40	NW 43	NNW 45	NW 70	SSE 33	NNE 33	NNW 33	N 36	NW *70
65	N 34	N 48	N *38	NW *44	W *36	E 32	NE *28	E 36	NNE 33	N 31	N 28	NNW 30	N *48
66	SE *32	NNE 32	NNE 36	E 43	N 66	NNE 30	ESE 28	S 41	NNW 36	NNW 31	N 51	NNW 35	N *66
67	NNW 31	N 41	NNW 38	WNW 40	NW 42	SE 29	SSW 50	SSE 34	NE 30	WNW 60	N 39	NNE 29	WNW 60
68	N 32	N 33	NW 28	N 41	SSE 28	N 32	16/ 39	14/ 44	11/ 36	15/ 29	15/ 34	33/ 36	14/ 44
69	01/ 32	03/ 31	26/ 37	29/ 32	36/ 27	14/ 25	12/ 23	11/ 28	09/ 32	01/ 28	03/ 33	31/ 34	26/ 37
70	01/ 36	35/ 32	33/ 33	33/ 34	12/ 46	36/ 23	12/ 28	09/ *34	17/ 40	36/ 36	32/ 34	36/ 29	12/ *46
71	35/ 38	34/ 42	36/ 38	13/ 31	36/ 38	27/ 32	14/ 30	13/ 32	36/ 33	04/ 24	32/ 25	32/ 32	34/ 42
72	01/ 26	36/ 32	01/ 37	32/ 52	05/ 30	07/ 22	09/ 51	18/ 26	04/ 38	21/ 31	34/ 32	36/ 36	32/ 52
73	27/ 36	02/ 36	29/ 38	33/ 36	01/ 35	03/ 36	36/ 27	14/ 29	01/ 33	33/ 43	33/ 30	34/ 33	33/ 43
74	02/ 29	28/ 41	14/ 28	32/ 32	27/ 47	34/ 36	17/ 36	16/ 23	01/ 25	02/ 37	03/ 30	02/ 28	27/ 47
75	01/ 39	01/ 32	36/ 33	12/ 42	06/ 38	34/ 29	16/ 30	14/ 27	06/ 31	01/ 28	11/ 34	15/ 24	12/ 42
76	35/ 41	35/ 38	05/ 32	34/ 48	02/ 30	18/ 27	11/ 24	04/ 30	36/ 36	02/ 31	03/ 34	36/ 33	34/ 48
77	01/ 41	31/ 36	18/ 33	33/ 47	34/ 38	36/ 35	19/ 23	36/ 34	32/ *31	03/ 32	36/ 31	01/ 30	33/ *47
78	33/ 32	01/ 28	29/ 30	16/ 24	31/ 34	01/ 31	09/ 46	03/ 25	04/ 30	36/ 26	34/ 26	01/ 29	09/ 46
79	34/ 42	33/ 30	01/ 30	09/ 36	01/ 38	03/ 30	30/ 27	11/ 30	08/ 22	01/ 28	36/ 30	36/ 34	34/ 42
80	35/ 31	01/ 32	01/ 43	34/ 42	07/ 51	03/ 26	04/ 25	07/ 44	10/ 30	03/ 35	02/ 28	02/ 28	07/ 51

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4702-9003

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	NN
81	35/ 22	01/ 40	31/ 40	34/ 27	30/ 36	16/ 28	15/ 23	14/ 28	36/ 29	30/ 28	35/ 34	31/ 28	01/ 40
82	35/ 36	02/ 27	36/ 28	03/ 34	18/ 48	26/ 35	14/ 21	31/ 27	35/ 38	04/ 25	02/ 33	36/ 29	18/ 48
83	02/ 28	15/ 28	30/ 35	31/ 39	33/ 44	12/ 31	15/ 26	08/ 27	03/ 30	03/ 25	33/ 39	01/ 36	33/ 44
84	36/ 34	33/ 50	34/ 43	33/ 31	02/ 40	15/ 29	13/ 31	03/ 36	16/ 42	28/ 34	32/ 28	24/ 49	33/ 50
85	02/ 43	36/ 30	36/ 31	36/ 28	01/ 36	16/ 28	16/ 29	03/ 30	13/ 27	36/ 32	03/ 29	02/ 29	02/ 43
86	01/ 33	03/ 32	33/ 36	16/ 37	14/ 42	33/ 32	17/ 33	17/ 34	04/ 26	36/ 40	03/ 31	05/ 40	14/ 42
87	32/ 27	28/ 40	34/ 35	31/ 30	13/ 31	05/ 26	14/ 32	15/ 26	02/ 45	20/ 25	34/ 46	34/ 32	34/ 46
88	02/ 25	36/ 31	02/ 36	33/ 49	01/ 35	36/ 39	19/ 31	26/ 36	11/ 30	04/ 38	32/ 29	16/ 28	33/ 49
89	02/ 31	02/ 30	16/ 37	34/ 33	22/ 36	36/ 42	18/ 35	16/ 32	01/ 32	33/ 38	36/ 29	02/ 30	36/ 42
90	04/ 32	29/ 41	33/ 33										29/*41

GREATEST N 55 33/ 50 NW 55 NW 57 N 66 NNW 65 09/ 51 NW 70 NNW 50 WNW 60 NNW 59 N 69 NW 70

TOTAL OBS 1291 1216 1335 1262 1284 1267 1304 1285 1220 1302 1260 1308 15334

THE PEAK WIND OF 70 FROM NW OCCURRED ON 08/06/64

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

C - 2 - 18

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 4702-9003  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS										GE 65	MEAN MEDIAN		TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64		WIND	WIND	
JAN	.2	7.6	29.2	24.9	20.2	9.9	5.1	1.5	1.2	.1	.0	18.0	16.0	1291
FEB	.1	4.9	22.8	29.7	22.7	11.6	4.9	2.1	1.2	.1	.0	19.0	18.0	1216
MAR	.1	1.5	16.1	28.0	26.0	16.6	7.1	3.2	1.3	.1	.0	21.0	20.0	1335
APR	.0	.8	14.5	30.3	29.7	13.9	5.9	2.7	2.0	.2	.0	21.0	20.0	1262
MAY	.0	.9	15.0	34.3	29.7	11.3	3.9	2.8	1.8	.3	.1	20.6	19.0	1284
JUN	.0	.9	17.0	35.2	30.9	9.9	3.7	1.4	.7	.1	.1	19.7	19.0	1267
JUL	.0	1.0	14.1	36.3	34.4	9.7	3.2	.8	.5	.2	.0	19.7	19.0	1304
AUG	.0	1.9	18.1	35.7	28.6	9.7	4.2	1.1	.3	.3	.1	19.3	19.0	1285
SEP	.0	4.2	26.1	33.8	21.6	9.1	3.4	1.3	.5	.1	.0	18.1	17.0	1220
OCT	.1	8.5	32.2	29.7	18.7	7.5	1.6	1.0	.5	.2	.0	16.8	16.0	1342
NOV	.4	9.7	29.0	25.7	19.0	9.8	4.4	1.2	.6	.2	.0	17.6	16.0	1260
DEC	.6	11.6	28.0	26.6	18.5	8.4	4.6	1.3	.3	.0	.1	17.2	16.0	1308
ANNUAL	.1	4.4	21.8	30.8	25.0	10.6	4.3	1.7	.9	.1	.0	19.0	18.0	15334

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		7.3	3.2	2.4	1.1	.3	.1						14.4	6.9	4.0
020-040		3.3	7.5	5.8	.8	.1							17.5	8.2	8.0
050-070		2.9	2.9	1.0	.1								6.9	5.7	5.0
(E) 080-100		1.6	.8	.1									2.5	4.3	4.0
110-130		.9	1.2	.4									2.5	6.0	5.0
140-160		2.4	3.5	1.5	.3	.1							7.8	7.1	7.0
(S) 170-190		1.8	.8										2.6	3.7	3.0
200-220		.4	.1										.5	3.2	2.0
230-250		.2	.1										.3	3.0	3.0
(W) 260-280		.5	.1										.6	3.8	4.0
290-310		1.6	.1	.1									1.8	3.2	2.0
320-340		6.5	.8	.4									7.6	3.4	2.0
VARIABLE															
CALM		////////////////////////////////////										34.8	////////////////////////////////		
TOTALS		29.4	21.1	11.7	2.3	.5	.1						100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	8.5	3.9	3.9	.5	.1	.1						17.0	6.3	4.5
020-040	3.2	8.0	5.3	.5	.2	.2						17.4	8.3	8.0
050-070	2.2	2.6	.8									5.5	5.6	6.0
(E) 080-100	.8	.6										1.4	4.5	4.0
110-130	1.9	1.2	.1									3.2	4.8	4.0
140-160	1.0	2.0	.9	.1	.2							4.2	7.8	7.0
(S) 170-190	.9	.6		.1								1.6	5.3	4.0
200-220	.6											.6	2.0	2.0
230-250	.4	.1										.5	3.2	4.0
(W) 260-280	.9	.2										1.1	3.0	3.0
290-310	2.4	.2	.1									2.7	3.5	4.0
320-340	5.2	1.8	.3	.1								7.4	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											37.3	////////////////////////////////	
TOTALS	28.0	21.2	11.4	1.3	.5	.3						100.0	3.9	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	8.9	4.2	2.6	1.3	.2							17.2	6.4	4.0
020-040	4.1	8.7	4.7	1.6								19.1	8.0	8.0
050-070	2.3	3.2	1.2									6.7	6.5	6.0
(E) 080-100	1.3	.5										1.8	3.8	3.0
110-130	.8	.5										1.3	4.4	4.0
140-160	1.3	2.4	.8	.2								4.6	7.3	8.0
(S) 170-190	.6	.3	.3									1.3	5.8	4.5
200-220	.6											.6	2.3	2.0
230-250	.3	.1										.4	2.5	2.0
(W) 260-280	1.2	.1										1.3	3.1	3.0
290-310	3.1	.5	.2									3.9	3.4	2.5
320-340	4.2	1.6	.2									6.0	3.9	3.5
VARIABLE														
CALM	////////////////////////////////////											35.7	////////////////////////////////	
TOTALS	28.7	22.1	10.0	3.1	.2							100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.2	2.8	3.7	1.6	.4							10.6	9.6	10.0
020-040	2.6	8.4	6.1	1.7	.6							19.5	9.1	8.0
050-070	3.1	6.2	3.2	.1								12.7	6.9	6.0
(E) 080-100	1.6	3.0	.1									4.7	5.0	5.0
110-130	2.3	1.3	.2									3.8	4.8	4.0
140-160	2.2	1.7	1.4	.1								5.4	6.5	5.5
(S) 170-190	1.8	2.3	.8	.2								5.1	6.4	5.0
200-220	1.0	1.2	.1									2.3	4.7	5.0
230-250	2.0	1.0	.1									3.1	4.1	4.0
(W) 260-280	2.2	2.2	.3									4.6	5.2	5.0
290-310	1.6	1.0										2.6	3.9	2.5
320-340	2.7	1.5	1.0	.3								5.5	6.2	5.0
VARIABLE														
CALM	////////////////////////////////////										20.2	////////		
TOTALS	25.3	32.6	17.0	4.0	1.0							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.3	3.3	4.8	1.4	.5							11.4	10.2	10.0
020-040	2.8	5.4	5.3	1.2	.2							14.8	8.9	8.0
050-070	3.0	4.1	2.3	.5								9.9	7.3	6.0
(E) 080-100	3.5	3.0	.1									6.7	4.8	4.0
110-130	3.7	1.4	.1									5.2	3.8	4.0
140-160	3.2	3.8	1.9	.2								9.1	6.3	6.0
(S) 170-190	2.8	3.8	2.4	.8								9.7	7.3	6.0
200-220	1.5	4.3	1.0	.2								7.0	6.7	6.0
230-250	1.6	4.0	.6									6.2	6.2	6.0
(W) 260-280	2.2	3.9	.4									6.5	5.4	5.0
290-310	.5	.9	.6	.3	.1							2.5	8.9	8.0
320-340	1.6	1.5	1.4	.3								4.8	7.6	6.0
VARIABLE														
CALM	////////////////////////////////////											6.2	////////////////////////////////	
TOTALS	27.7	39.4	20.9	4.9	.8							100.0	6.8	6.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.9	2.9	4.6	1.3								10.8	9.5	10.0
020-040	1.9	5.6	4.3	1.7	.3							13.9	9.4	9.0
050-070	2.3	2.9	1.5	.3								7.0	7.0	7.0
(E) 080-100	2.5	3.3	.5	.1								6.5	5.6	5.5
110-130	3.3	3.5	.4	.1								7.4	5.2	5.0
140-160	3.1	4.5	2.5	.5								10.6	7.0	6.0
(S) 170-190	6.6	4.5	1.1	.4								12.6	5.6	4.0
200-220	2.3	3.8	.9	.1								7.0	6.0	6.0
230-250	2.6	4.0		.1								6.7	5.4	5.5
(W) 260-280	1.3	1.3	.3	.1								3.0	5.8	5.0
290-310	.6	.5	1.0	.2								2.4	8.9	9.0
320-340	1.0	2.0	1.4	.3								4.7	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////										7.5	////////////////////////////////		
TOTALS	29.4	38.8	18.5	5.2	.3							100.0	6.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.8	4.2	2.7	.6	.1							10.4	7.8	8.0
020-040	3.2	5.4	5.3	1.0	.1							14.9	8.5	8.0
050-070	2.9	4.2	.6									7.7	5.8	6.0
(E) 080-100	2.8	3.8	.6									7.2	5.2	5.0
110-130	2.7	2.6	1.6	.3								7.2	6.9	6.0
140-160	4.1	2.4	1.9									8.4	6.0	5.0
(S) 170-190	7.4	1.3										8.7	3.2	3.0
200-220	1.7	.1	.1									1.9	2.8	2.0
230-250	1.8	.2										2.0	3.2	2.0
(W) 260-280	.5	.3										.9	4.0	3.5
290-310	.5	.3	.2		.1							1.2	6.9	5.0
320-340	1.4	1.0	.8	.3								3.4	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////										25.9	////////////////////////////////		
TOTALS	31.8	25.8	13.8	2.2	.3							100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.5	2.9	2.9	.6	.3	.1						12.4	7.2	5.0
020-040	3.5	4.7	5.1	1.5	.1							14.9	8.6	8.0
050-070	3.4	3.2	1.0									7.6	5.6	5.0
(E) 080-100	2.7	2.8	.1									5.6	4.9	5.0
110-130	1.2	1.9	.8									3.9	6.1	6.0
140-160	3.0	3.0	3.8	.1								9.9	7.6	6.5
(S) 170-190	2.7	.8	.1									3.5	3.3	2.0
200-220	.3	.2										.5	4.0	4.0
230-250	.4											.4	3.0	3.0
(W) 260-280	.2											.2	2.5	2.5
290-310	1.8	.1	.1	.1								2.2	3.9	3.0
320-340	4.9	1.0	.5	.1								6.6	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////										32.3	////////////////////////////////		
TOTALS	29.6	20.6	14.4	2.4	.4	.1						100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		4.8	3.4	3.4	1.1	.3	.0						13.0	7.8	6.0
020-040		3.1	6.7	5.2	1.3	.2	.0						16.5	8.6	8.0
050-070		2.8	3.7	1.4	.1								8.0	6.4	6.0
(E) 080-100		2.1	2.2	.2	.0								4.5	5.0	5.0
110-130		2.1	1.7	.5	.1								4.3	5.4	5.0
140-160		2.5	2.9	1.8	.2	.0							7.5	6.9	6.0
(S) 170-190		3.1	1.8	.6	.2								5.6	5.3	4.0
200-220		1.1	1.2	.3	.0								2.6	5.5	5.0
230-250		1.2	1.2	.1	.0								2.5	5.0	5.0
(W) 260-280		1.1	1.0	.1	.0								2.3	5.0	5.0
290-310		1.5	.5	.3	.1	.0							2.4	5.1	4.0
320-340		3.4	1.4	.8	.2								5.8	5.1	4.0
VARIABLE															
CALM		////////////////////////////////////										25.0	////////////////////////////////		
TOTALS		28.8	27.7	14.7	3.3	.5							100.0	5.0	6.0
TOTAL NUMBER OF OBSERVATIONS 7440															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.9	1.9	2.8	.5	.3						8.4	8.3	8.0
020-040	3.9	10.8	6.7	1.1	.5						23.0	8.2	8.0
050-070	3.2	4.5	3.8	.2							11.7	7.4	7.0
(E) 080-100	2.4	2.4	.3	.1							5.1	5.1	5.0
110-130	2.1	2.4	.7								5.2	5.7	6.0
140-160	3.1	5.8	4.0								13.0	7.4	8.0
(S) 170-190	3.1	1.9	.7	.1							5.7	5.1	4.0
200-220	1.1	.4									1.5	3.4	3.0
230-250	.9	.3									1.2	3.5	4.0
(W) 260-280	1.8	.9									2.7	4.0	4.0
290-310	1.2	.3									1.5	2.9	2.0
320-340	1.3	.5	.3								2.1	4.5	3.0
VARIABLE													
CALM	////////////////////										19.0	////////	
TOTALS	27.0	32.1	19.3	2.0	.8						100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 1063

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.0	3.3	2.4	.8	.1							14.7	6.0	4.0
020-040	2.5	5.0	5.9	.2								13.6	8.7	8.0
050-070	2.6	3.7	1.8									8.0	6.6	7.0
(E) 080-100	2.2	2.8	.1	.1								5.3	5.4	6.0
110-130	2.4	1.9	.1									4.4	4.8	4.0
140-160	3.8	5.3	2.8									11.9	6.7	6.0
(S) 170-190	2.7	2.6	.5	.6								6.4	6.4	6.0
200-220	.9	.4										1.3	3.2	2.0
230-250	.7											.7	2.5	3.0
(W) 260-280	.5		.1									.6	4.0	2.0
290-310	1.2	.1	.2									1.5	4.7	4.0
320-340	4.0	1.5	.2	.1	.2							6.1	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											25.4	////////////////////////////////	
TOTALS	31.5	26.6	14.1	1.8	.3							100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	8.3	4.4	3.9	.9	.1	.2						17.8	6.8	5.0
020-040	1.4	6.1	4.6	.8								13.0	8.9	8.0
050-070	2.0	4.5	1.7									8.2	6.8	7.0
(E) 080-100	2.0	1.4	.2									3.7	4.7	4.0
110-130	1.7	1.1										2.7	4.4	4.0
140-160	1.8	5.0	.5		.1							7.3	6.5	6.0
(S) 170-190	2.0	1.7	.9	.1								4.7	5.8	5.0
200-220	1.1			.1								1.2	3.7	2.0
230-250	.5			.1								.6	5.6	2.0
(W) 260-280	.6											.6	3.0	3.0
290-310	.9	.2	.1									1.3	4.3	3.0
320-340	4.8	1.3	.4	.4	.1							7.0	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////										31.9	////////////////////////////////		
TOTALS	27.1	25.7	12.3	2.4	.3	.2						100.0	4.5	6.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	7.8	4.6	4.3	1.1	.2							18.0	7.1	6.0
020-040	3.0	5.6	5.0	1.3	.1							14.9	8.7	8.0
050-070	2.5	4.0	1.1									7.6	6.1	6.0
(E) 080-100	2.6	1.5	.2									4.4	4.9	4.0
110-130	1.7	1.5	.2									3.4	5.1	5.0
140-160	1.4	2.7	.5	.1								4.7	6.2	6.0
(S) 170-190	2.6	1.5	.2									4.4	4.4	4.0
200-220	.5	.2										.7	4.5	4.0
230-250	.8	.2										1.1	2.8	2.0
(W) 260-280	.6	.6	.1									1.3	5.0	5.0
290-310	1.3	.1										1.4	2.8	2.0
320-340	5.1	1.9	.6	.2	.2							8.0	5.0	3.0
VARIABLE														
CALM	////////////////////////////////////										30.1	////////////////////////////////		
TOTALS	29.9	24.4	12.2	2.7	.5							100.0	4.5	6.0
TOTAL NUMBER OF OBSERVATIONS 846														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.0	5.7	5.6	1.7	.4							16.2	9.2	8.0
020-040	1.4	5.4	6.9	.8	.4							14.9	9.9	10.0
050-070	1.9	5.6	2.2									9.7	7.3	7.0
(E) 080-100	3.4	3.4	.8									7.7	5.3	5.0
110-130	2.0	2.0	.9									5.0	5.8	6.0
140-160	2.0	4.7	1.5									8.3	6.6	6.0
(S) 170-190	1.3	4.3	.9	.1								6.6	6.9	6.5
200-220	1.4	1.7										3.1	4.8	5.0
230-250	.8	2.0										2.8	5.7	6.0
(W) 260-280	1.1	1.8										2.8	5.2	5.0
290-310	1.7	.6	.7	.5								3.4	7.0	5.0
320-340	1.5	2.6	1.4	.6								6.1	7.9	8.0
VARIABLE														
CALM	////////////////////////////////////											13.4	////////////////////////////////	
TOTALS	21.5	59.8	20.9	3.7	.8							100.0	6.6	7.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.5	3.8	1.9	.2							11.6	9.7	10.0
020-040	1.8	6.3	3.5	.7								12.3	8.2	8.0
050-070	2.8	5.2	3.3	.2								11.6	7.2	7.0
(E) 080-100	2.5	2.8	.7									6.0	5.7	5.0
110-130	1.7	2.1	.8									4.6	6.2	5.0
140-160	2.2	5.6	2.0									9.8	7.0	7.0
(S) 170-190	2.7	5.1	4.3	.1								12.2	7.8	8.0
200-220	2.7	4.3	.4									7.3	5.6	6.0
230-250	2.0	3.2	.5									5.7	5.5	6.0
(W) 260-280	1.7	1.4	.1		.2							3.4	6.2	5.0
290-310	.9	1.5	1.5	.2	.4							4.6	8.8	9.0
320-340	1.1	2.4	2.4	1.1								6.9	9.5	9.5
VARIABLE														
CALM	////////////////////////////////////											4.0	////////	
TOTALS	24.2	43.4	23.3	4.2	.8							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	3.5	4.1	1.3	.4							10.4	10.2	10.0
020-040	1.9	5.1	4.7	.7								12.4	8.6	8.0
050-070	2.4	4.0	2.2	.2								8.9	7.2	7.0
(E) 080-100	2.4	3.1	.6									6.0	5.5	5.0
110-130	2.8	4.4	1.4									8.6	6.3	6.0
140-160	4.0	3.8	5.1	.4								13.2	7.7	8.0
(S) 170-190	4.7	5.2	2.0	.2								12.2	6.2	6.0
200-220	3.8	2.7	.5									7.0	4.9	4.0
230-250	2.1	1.9										4.0	4.7	4.0
(W) 260-280	.8	2.0										2.8	5.5	6.0
290-310	.6	1.1	.8		.2							2.7	8.9	8.0
320-340	.6	2.2	2.8	.8	.2							6.7	10.5	10.0
VARIABLE														
CALM	////////////////////											5.0	////////	
TOTALS	27.2	39.0	24.2	3.6	.8							100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 18-20

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.7	4.3	2.5	.8	.2							10.5	7.9	7.0
020-040		1.9	5.1	5.3	1.1	.1							13.5	9.2	9.0
050-070		2.7	4.6	1.4	.1								8.9	6.7	7.0
(E) 080-100		3.9	3.7	.4									7.9	5.1	5.0
110-130		3.8	5.2	3.4	.4								12.8	7.1	6.5
140-160		4.4	4.5	3.3	.5	.2							12.9	7.5	7.0
(S) 170-190		5.4	2.4	.6		.1							8.5	4.5	4.0
200-220		1.5	.4										1.9	3.4	3.5
230-250		.5	.1										.6	2.6	2.0
(W) 260-280		.7	.1										.8	3.0	3.0
290-310		.5	.2	.1	.1	.2							1.2	9.8	6.5
320-340		1.7	1.4	.7	.1								3.9	6.1	6.0
VARIABLE															
CALM		////////////////////////////////////										16.7	////////////////////////////////		
TOTALS		29.7	32.0	17.7	3.1	.8							100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 846															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)		WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N)	350-010	5.8	3.5	2.7	.4	.4							12.8	6.7	6.0
	020-040	2.6	5.7	5.3	.7	.1							14.4	8.6	8.0
	050-070	2.1	4.1	1.7									7.9	6.6	6.0
(E)	080-100	3.2	4.3	.7									8.2	5.3	5.0
	110-130	2.7	5.3	1.2									9.2	6.1	6.0
	140-160	2.2	7.4	3.7	.7	.2							14.3	8.1	8.0
(S)	170-190	3.4	1.8	.5	.2	.1							6.0	5.5	4.0
	200-220	.4											.4	2.3	2.0
	230-250	.1											.1	1.0	1.0
(W)	260-280			.1									.1	10.0	10.0
	290-310	.7											.7	2.2	2.0
	320-340	2.7	.5	.2	.5	.1							4.0	5.8	3.0
VARIABLE															
CALM		////////////////////////////////////											21.9	////////	
TOTALS		25.9	32.6	16.1	2.5	.9							100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 846															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		4.8	4.1	3.6	1.1	.3	.0						14.0	7.8	7.0
020-040		2.1	5.5	5.2	.8	.1							13.6	8.8	8.0
050-070		2.4	4.5	1.9	.1								8.8	6.9	7.0
(E) 080-100		2.8	2.9	.5	.0								6.1	5.3	5.0
110-130		2.3	2.9	1.0	.0								6.3	6.1	6.0
140-160		2.7	4.9	2.4	.2	.1							10.3	7.2	7.0
(S) 170-190		3.1	3.1	1.2	.2	.0							7.6	6.1	6.0
200-220		1.5	1.2	.1	.0								2.9	4.8	4.0
230-250		.9	.9	.1	.0								2.0	4.9	5.0
(W) 260-280		.7	.7	.1		.0							1.6	5.3	5.0
290-310		1.0	.5	.4	.1	.1							2.1	7.0	5.0
320-340		2.7	1.7	1.1	.5	.1							6.1	6.9	6.0
VARIABLE															
CALM		////////////////////////////////////										18.5	////////		
TOTALS		27.0	32.9	17.6	3.0	.7							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 6768															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	3.1	2.5	.7	.1							7.7	9.0	8.5
020-040	2.0	6.1	8.8	1.7	.1							18.8	9.9	10.0
050-070	3.3	8.5	3.5	.2								15.5	7.2	7.0
(E) 080-100	3.2	3.4	.8	.1								7.5	5.6	5.0
110-130	2.1	3.3	.8									6.2	5.9	6.0
140-160	1.9	9.4	3.2	.2	.1							14.8	7.6	8.0
(S) 170-190	3.4	4.0	1.4	.1								9.0	6.1	6.0
200-220	1.5	.9										2.4	4.1	4.0
230-250	1.0	.6										1.5	3.9	3.5
(W) 260-280	.8	.3										1.0	3.4	3.0
290-310	.3	.1	.1									.5	3.6	2.0
320-340	.5	.5	.2									1.2	6.2	5.0
VARIABLE														
CALM	////////////////////											13.9	////////	
TOTALS	21.3	40.2	21.3	3.0	.3							100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 1453

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.7	1.3	1.9	.9	.1							9.9	6.5	4.0
020-040	1.8	4.7	3.1	1.2								10.9	8.6	8.0
050-070	1.8	3.2	1.4									6.5	6.6	6.0
(E) 080-100	1.2	1.6	.4									3.2	5.8	6.0
110-130	2.8	3.5	1.4									7.7	6.1	6.0
140-160	5.3	12.2	6.1	.5	.1							24.2	7.5	8.0
(S) 170-190	4.7	3.8	.9									9.4	5.4	4.0
200-220	.9	.4										1.3	3.4	2.5
230-250	.2	.1										.3	5.3	4.0
(W) 260-280	.3	.4	.1									.9	4.9	5.0
290-310	.9	.4										1.3	3.8	3.0
320-340	2.5	.9	.9									4.2	5.0	3.0
VARIABLE														
CALM	////////////////////////////////////											20.3	////////////////////////////////	
TOTALS	28.1	32.5	16.2	2.6	.2							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 03-05

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		6.5	2.0	2.2	.9	.4							11.9	6.6	4.0
020-040		3.0	4.7	3.2	.3	.2							11.5	7.7	7.0
050-070		.9	3.1	.6									4.6	6.3	6.0
(E) 080-100		1.6	1.6	.1									3.3	5.1	5.0
110-130		2.8	3.7	1.3									7.7	6.0	6.0
140-160		3.7	6.9	3.1	.3								14.0	7.0	7.0
(S) 170-190		3.1	3.9	.3	.1								7.4	5.2	5.0
200-220		.4	.3										.8	4.1	3.0
230-250		.4											.4	2.3	2.0
(W) 260-280		.9	.2	.2									1.3	4.4	3.5
290-310		1.0	.6	.1									1.7	4.4	4.0
320-340		4.2	1.2	.6	.3								6.3	5.1	4.0
VARIABLE															
CALM		////////////////////////////////////											28.9	////////////////////////////////	
TOTALS		28.5	28.2	11.7	1.9	.6							100.0	4.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.5	2.6	3.3	1.1	.2							12.7	7.5	6.0
020-040	3.5	6.1	2.6	.8								13.0	7.3	7.0
050-070	1.3	2.8	.4									4.5	5.8	6.0
(E) 080-100	2.3	1.5	.2									4.0	4.9	4.0
110-130	3.4	3.8	.9									8.1	5.5	5.0
140-160	3.9	7.0	2.2	.8								13.8	7.1	7.0
(S) 170-190	3.1	2.5	.3									5.9	4.9	4.0
200-220	.9	.3										1.2	3.4	4.0
230-250	.8	.1										.9	3.3	3.5
(W) 260-280	.9	.3										1.2	3.3	3.0
290-310	.9	.5	.4									1.8	5.5	5.0
320-340	4.4	.6	.8									5.8	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////										27.2	////////////////////////////////		
TOTALS	30.9	28.1	11.1	2.7	.2							100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.6	3.1	3.3	1.5	1.2							10.8	10.7	10.0
020-040	1.3	3.9	3.3	.4								8.9	8.8	8.0
050-070	2.2	4.2	2.4	.2								8.9	7.4	8.0
(E) 080-100	2.0	2.8	.4	.1								5.4	5.8	5.0
110-130	1.9	3.3	1.1	.3								6.7	6.7	6.0
140-160	2.0	7.6	5.2	.9	.1							15.8	8.4	8.0
(S) 170-190	2.6	7.5	3.7	.8								14.5	7.7	8.0
200-220	1.9	3.5	1.1									6.6	6.4	6.0
230-250	2.0	1.9	.3									4.3	5.3	5.0
(W) 260-280	1.1	1.7	1.1									3.9	7.0	7.0
290-310	.3	.9	.6	.1								1.9	8.4	8.0
320-340	1.3	1.5	1.0	.5								4.3	7.8	6.0
VARIABLE														
CALM	////////////////////////////////////											8.1	////////////////////////////////	
TOTALS	20.2	41.9	23.5	4.8	1.3							100.0	7.2	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.7	2.7	4.2	1.5	.5	.1						10.8	10.6	10.0
020-040	1.8	2.3	1.8	.1	.2							6.2	7.5	8.0
050-070	2.0	2.7	2.0		.1							6.9	7.1	8.0
(E) 080-100	1.8	3.5	.9	.1								6.3	6.5	6.0
110-130	1.8	3.7	1.2	.2								6.9	6.8	6.5
140-160	2.6	7.4	6.7	1.8	.3							18.8	9.3	9.0
(S) 170-190	2.3	7.5	7.0	.2								17.0	8.4	8.0
200-220	2.7	3.8	.8									7.2	5.9	5.0
230-250	.9	2.5	1.1									4.4	6.9	6.0
(W) 260-280	.8	1.3	1.2	.9								4.1	9.3	9.5
290-310	.6	.4	1.4	.4	.1							3.0	10.2	12.0
320-340	.9	1.2	1.4	.4	.1	.2						4.2	9.9	10.0
VARIABLE														
CALM	////////////////////////////////////										4.2	////////////////////////////////		
TOTALS	19.9	39.0	29.7	5.6	1.3	.3						100.0	8.0	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	1.1	3.2	3.9	1.4	.5	.1						10.2	10.7	10.0	
020-040	1.0	3.0	2.2	.8								6.9	9.0	8.5	
050-070	1.2	3.1	1.3	.1								5.7	7.5	8.0	
(E) 080-100	1.9	2.8	.9									5.6	6.2	6.0	
110-130	1.4	4.2	3.8	.6								10.0	8.8	9.0	
140-160	2.0	6.5	9.7	2.3	.1							20.5	10.0	10.0	
(S) 170-190	3.3	6.8	3.8	.3								14.2	7.4	8.0	
200-220	2.8	4.0	.8									7.5	5.7	6.0	
230-250	1.1	2.0	.2									3.3	6.1	6.0	
(W) 260-280	.8	1.4	1.5	1.0	.1							5.2	9.8	9.0	
290-310	.4	.4	.6	.4	.3							2.3	11.6	11.0	
320-340	.5	1.4	.9	.3								3.1	8.5	8.0	
VARIABLE															
CALM	////////////////////////////////////												5.5	////////////////////////////////	
TOTALS	17.5	39.2	29.6	7.2	1.0	.1						100.0	8.1	8.0	

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.8	3.1	2.9	1.1	.3							9.3	9.4	9.0
020-040	1.7	3.3	1.9	1.0	.1							8.1	8.7	8.0
050-070	1.7	3.9	1.3	.1								7.0	6.0	7.0
(E) 080-100	2.5	3.1	.2									5.8	5.2	5.0
110-130	4.6	6.9	5.6	.6	.2							18.0	7.8	8.0
140-160	3.3	8.2	10.9	2.5	.1							25.0	9.5	10.0
(S) 170-190	3.9	3.6	.8									8.2	5.2	5.0
200-220	2.0	.6										2.7	3.6	3.0
230-250	1.0	.6	.1									1.7	4.9	4.0
(W) 260-280	.3	.9	.2	.1								1.5	7.4	7.0
290-310	.2	.3	.1	.1		.1						.9	11.0	8.0
320-340	.4	.8	.6	.3								2.2	9.4	8.0
VARIABLE														
CALM	////////////////////////////////////											9.6	////////////////////////////////	
TOTALS	23.4	35.3	24.6	5.8	.7	.1						100.0	7.2	8.0
TOTAL NUMBER OF OBSERVATIONS 927														

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	2.4	2.7	1.4	.6	.1							7.2	7.3	6.0
020-040	1.8	4.0	2.8	1.5	.2							10.4	9.1	8.0
050-070	1.6	4.0	1.1		.1							6.8	6.7	6.0
(E) 080-100	2.5	1.8	.4									4.7	4.9	4.0
110-130	3.6	5.9	5.3	.3								15.1	7.8	8.0
140-160	1.5	11.8	12.4	1.7	.1							27.5	9.7	10.0
(S) 170-190	3.7	3.7	.8	.1								8.2	5.5	5.0
200-220	.9	.3										1.2	4.5	4.0
230-250	.3	.3										.6	4.2	4.5
(W) 260-280	.4	.1		.1								.6	5.7	3.0
290-310	.3	.3	.1									.8	5.7	5.0
320-340	2.5	.3	.3	.3		.1						3.6	5.8	3.0
VARIABLE														
CALM	////////////////////////////////////											13.3	////////////////////////////////	
TOTALS	21.5	35.2	24.6	4.6	.5	.1						100.0	6.8	9.0
TOTAL NUMBER OF OBSERVATIONS 927														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	2.6	2.9	1.1	.4	.0						10.3	8.7	8.0
020-040	2.0	4.0	2.6	.8	.1							9.5	8.3	8.0
050-070	1.6	3.4	1.3	.1	.0							6.4	6.9	7.0
(E) 080-100	2.0	2.4	.4	.0								4.8	5.6	5.0
110-130	2.8	4.4	2.6	.3	.0							10.0	7.2	7.0
140-160	3.0	8.4	7.0	1.3	.1							19.9	8.7	8.0
(S) 170-190	3.3	4.9	2.2	.2								10.6	6.7	6.0
200-220	1.6	1.7	.3									3.6	5.4	5.0
230-250	.8	1.0	.2									2.0	5.6	5.0
(W) 260-280	.7	.8	.5	.3	.0							2.3	7.8	7.0
290-310	.6	.5	.4	.1	.1	.0						1.7	8.0	8.0
320-340	2.1	1.0	.8	.3	.0	.0						4.2	6.5	5.0
VARIABLE														
CALC	////////////////////////////////////											14.6	////////	
TOTALS	23.8	35.1	21.2	4.5	.7							100.0	6.4	7.0
TOTAL NUMBER OF OBSERVATIONS 7434														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 89 - MAR 90  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		.8	1.1	1.1	.2	.1							3.2	8.6	8.0
020-040		2.3	3.7	2.8	.1								8.9	7.6	8.0
050-070		1.5	3.2	1.3		.1							6.1	6.9	6.0
(E) 080-100		2.7	2.6	.3									5.6	5.0	5.0
110-130		3.8	7.9	3.4	.1								15.2	6.9	7.0
140-160		5.3	16.3	9.4	1.4	.1							32.6	8.0	8.0
(S) 170-190		4.6	7.9	1.6	.1								14.2	6.1	6.0
200-220		1.2	1.2	.1									2.5	4.9	5.0
230-250		.3	.1										.4	3.8	3.5
(W) 260-280		.2	.3										.5	5.0	5.0
290-310		.3	.4	.1									.8	5.3	5.0
320-340		.2	.3	.1	.1								.6	7.0	6.0
VARIABLE															
CALM		////////////////////////////////////										9.5	////////////////////////////////		
TOTALS		23.2	45.0	20.2	2.0	.3							100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 1462

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.7	1.7	1.2	.3								9.9	5.1	4.0
020-040	2.9	3.3	3.1	.6								9.8	7.8	7.5
050-070	2.6	3.2	1.6									7.3	6.2	6.0
(E) 080-100	1.8	2.7		.1								4.6	5.4	5.0
110-130	4.2	6.0	1.3									11.6	5.8	5.0
140-160	7.1	13.7	4.3	.1								25.2	6.6	6.0
(S) 170-190	3.9	4.3	.8									9.0	5.2	5.0
200-220	.1	.1										.2	4.0	4.0
230-250	.4											.4	2.3	2.0
(W) 260-280	.6											.6	2.0	2.0
290-310	.4											.4	1.8	2.0
320-340	2.4	.9	.2	.1								3.7	4.3	3.0
VARIABLE														
CALM	////////////////////											17.3	////////	
TOTALS	33.0	35.9	12.5	1.2								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.6	2.6	1.6	.2	.1							12.0	5.2	4.0
020-040	2.4	3.0	2.7	1.0	.2							9.3	8.2	7.0
050-070	3.3	3.0	1.3	.1								7.8	6.2	5.5
(E) 080-100	2.2	2.8	.3									5.3	5.1	5.0
110-130	3.3	4.4										7.8	5.2	5.0
140-160	5.0	7.7	1.2	.2								14.1	5.9	6.0
(S) 170-190	5.9	3.4	.4									9.8	4.6	4.0
200-220	.8											.8	2.4	2.0
230-250	.6	.1										.7	4.3	4.0
(W) 260-280	.4	.2										.7	3.3	3.0
290-310	.9				.1							1.0	4.8	4.0
320-340	4.9	.1	.1	.1	.1							5.3	3.4	2.0
VARIABLE														
CALM	////////////////////////////////////											25.4	////////////////////////////////	
TOTALS	37.3	27.3	7.6	1.6	.5							100.0	4.1	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.2	3.0	2.2	.6	.1							12.1	6.1	4.0
020-040	3.3	3.6	3.6	1.3		.1						11.9	8.5	8.0
050-070	2.2	3.2	1.4	.1								7.0	6.8	6.0
(E) 080-100	3.8	1.7	.3									5.8	4.4	4.0
110-130	3.0	3.8	.3									7.1	5.3	5.0
140-160	4.4	7.7	1.1	.2	.1							13.6	6.1	6.0
(S) 170-190	4.9	3.6	.1		.1							8.7	4.9	4.0
200-220	.8	.1										.9	2.8	2.0
230-250	1.1	.2										1.3	3.4	4.0
(W) 260-280	.6	.2										.8	4.3	4.0
290-310	1.3	.4										1.8	3.6	4.0
320-340	4.0	.8	.6	.2								5.6	4.5	3.0
VARIABLE														
CALM	////////////////////////////////////											23.6	////////////////////////////////	
TOTALS	35.6	28.3	9.6	2.4	.3	.1						100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.0	2.2	3.6	.9	.1	.1						7.9	10.2	10.0
020-040	1.0	1.9	4.7	1.3	.8							9.7	11.5	12.0
050-070	2.0	4.4	2.3	.6								9.3	7.8	7.0
(E) 080-100	1.9	3.6	1.3									6.8	6.7	6.0
110-130	2.3	4.6	1.2									8.1	6.4	6.0
140-160	3.1	9.2	5.1	.1								17.6	7.3	7.0
(S) 170-190	4.7	9.4	3.2									17.3	6.5	6.5
200-220	2.1	2.9	.6									5.6	5.9	5.5
230-250	1.1	2.1	.2	.1								3.6	5.7	6.0
(W) 260-280	1.1	.9	.3									2.3	5.6	5.0
290-310	.9	.3	.1	.1	.1							1.6	6.6	4.0
320-340	.9	1.2	2.2	.2	.1	.1						4.8	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////										5.6	////////////////////////////////		
TOTALS	22.1	42.7	24.8	3.3	1.1	.2						100.0	7.3	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	.4	2.2	3.0	1.9	.1	.2						7.9	11.4	10.0	
020-040	1.0	2.1	3.2	1.1	.1							7.6	10.0	10.0	
050-070	1.2	4.3	2.1	.1	.1							7.9	7.8	8.0	
(E) 080-100	2.0	3.9	1.4									7.3	6.9	7.0	
110-130	2.4	5.9	2.0									10.3	6.7	6.0	
140-160	3.4	8.6	6.7	.6								19.2	8.2	8.0	
(S) 170-190	3.3	7.8	4.4	.1								15.7	7.4	8.0	
200-220	2.0	4.8	.7									7.4	6.5	7.0	
230-250	1.6	1.9	.6	.1								4.1	6.1	6.0	
(W) 260-280	1.0	.8	.7									2.4	6.6	7.0	
290-310	.9	.9	.6	.3	.1							2.8	8.7	6.0	
320-340	.6	1.3	1.3	.8	.1							4.1	10.5	12.0	
VARIABLE															
CALM	////////////////////////////////////											3.2	////////////////////////////////		
TOTALS	19.8	44.5	26.7	5.0	.5	.2						100.0	7.8	8.0	
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.6	3.1	1.9	.6	.1						9.2	11.2	11.0
020-040	1.1	2.3	2.7	.8	.1							7.0	9.0	10.0
050-070	1.6	1.9	2.7									6.1	8.2	8.0
(E) 080-100	2.0	4.9	2.1									9.0	7.0	8.0
110-130	2.6	6.6	4.3	.6								14.0	8.1	8.0
140-160	2.6	8.9	8.7	1.6								21.7	8.9	8.0
(S) 170-190	3.1	7.2	2.8									13.1	6.7	6.0
200-220	2.0	2.8	.4									5.2	5.7	6.0
230-250	1.3	2.7	.1	.1								4.2	6.3	6.0
(W) 260-280	1.0	.4	.1									1.6	4.4	4.0
290-310	1.0	.4	.4	.3	.2							2.4	8.8	7.0
320-340	.4	1.1	1.4	.7	.1							3.8	10.2	10.5
VARIABLE														
CALM	////////////////////											2.7	////////	
TOTALS	19.7	41.8	28.8	6.0	1.0	.1						100.0	8.0	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.6	3.1	1.1	.2							8.4	9.7	10.0
020-040	1.7	3.0	2.9	.6	.1							8.2	8.9	8.5
050-070	1.9	4.3	1.9	.1								8.2	7.1	6.5
(E) 080-100	2.1	4.1	1.7									7.9	6.7	6.0
110-130	3.7	9.8	7.1	.1								20.7	7.8	8.0
140-160	2.9	9.9	10.3	2.1								25.2	9.1	9.0
(S) 170-190	3.6	2.4	.7	.2								6.9	5.5	4.0
200-220	2.3	.6										2.9	3.2	3.0
230-250	.3	.6	.1									1.0	5.7	6.0
(W) 260-280	.4	.3										.8	4.0	3.0
290-310	.6	.6										1.1	4.6	4.5
320-340	.4	1.2	.6	.2		.1						2.6	8.7	7.0
VARIABLE														
CALM	////////////////////											6.1	////////	
TOTALS	21.3	39.4	28.4	4.4	.3	.1						100.0	7.4	8.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	2.4	1.3	.1	.1							7.6	6.4	5.0
020-040	2.2	4.6	1.8	.3								8.9	7.4	8.0
050-070	2.4	3.7	2.3	.3								8.8	7.4	7.0
(E) 080-100	2.4	3.4	.2	.1								6.2	5.6	5.0
110-130	3.0	8.1	3.7	.2								15.0	7.4	8.0
140-160	4.2	15.4	13.0	.7								33.3	8.3	8.0
(S) 170-190	2.7	2.1	.6									5.3	5.1	4.5
200-220	.2											.2	2.0	2.0
230-250	.1											.1	2.0	2.0
(W) 260-280	.4											.4	2.0	2.0
290-310	.1											.1	2.0	2.0
320-340	1.4	.2		.1								1.8	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											12.2	////////	
TOTALS	22.7	39.9	22.9	1.8	.1							100.0	6.4	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.4	2.4	.9	.2	.1						9.4	7.9	6.0
020-040	1.9	3.0	3.1	.9	.2	.0						9.0	8.9	8.0
050-070	2.2	3.5	2.0	.2	.0							7.8	7.2	7.0
(E) 080-100	2.3	3.4	.9	.0								6.6	6.1	6.0
110-130	3.1	6.1	2.5	.1								11.8	6.9	6.0
140-160	4.1	10.1	6.3	.7	.0							21.2	7.8	8.0
(S) 170-190	4.0	5.0	1.6	.0	.0							10.7	6.0	6.0
200-220	1.3	1.4	.2									2.9	5.4	5.0
230-250	.8	.9	.1	.0								1.9	5.6	5.0
(W) 260-280	.7	.4	.1									1.2	4.9	4.0
290-310	.8	.3	.1	.1	.1							1.4	6.5	4.0
320-340	1.9	.9	.8	.3	.1	.0						3.9	6.8	5.0
VARIABLE														
CALM	////////////////////////////////////											12.0	////////	
TOTALS	26.6	37.4	20.1	3.2	.6	.1						100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.1	.6			.1						3.2	6.6	5.5
020-040	2.1	1.5	1.6									5.3	6.7	6.0
050-070	3.9	4.1	1.0									9.0	5.5	5.0
(E) 080-100	3.9	5.3	.4									9.7	5.5	5.0
110-130	4.6	9.3	2.0									15.9	6.2	6.0
140-160	8.3	16.0	5.1	.6	.1							30.1	6.7	6.0
(S) 170-190	7.0	7.4	1.4		.1							15.9	5.6	5.0
200-220	.9	.4										1.2	3.6	2.0
230-250	.6	.2	.1									.9	4.6	4.0
(W) 260-280	.4											.4	2.8	2.5
290-310	.2				.1							.3	9.0	4.0
320-340	.6	.2			.1	.1						1.0	7.2	3.0
VARIABLE														
CALM	////////////////////////////////////											7.2	////////////////////////////////	
TOTALS	33.9	45.5	12.2	.6	.4	.2						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 1122

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.0	.1									3.2	4.4	4.0
020-040	2.4	1.9	1.1		.2	.1						5.7	7.2	7.0
050-070	2.0	3.1	.4									5.6	5.8	5.0
(E) 080-100	3.1	3.8	.5									7.4	5.4	5.0
110-130	2.6	8.5	3.3	.1	.1							14.6	7.4	8.0
140-160	6.0	18.1	6.5	.2								30.8	7.0	7.0
(S) 170-190	5.2	4.7	1.3									11.2	5.5	5.0
200-220	.4	.6										1.1	4.9	6.0
230-250	.3											.3	2.0	2.0
(W) 260-280	.3		.3	.1								.8	8.7	10.0
290-310	.3	.2		.1	.1							.8	7.9	5.0
320-340	1.8	.3	.4									2.6	4.8	3.5
VARIABLE														
CALM	////////////////////////////////////											16.0	////////	
TOTALS	26.6	42.2	13.9	.5	.4	.1						100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.3	.4	.2	.1							4.7	5.8	4.0
020-040	3.9	2.5	.6	.5	.1							7.6	6.1	4.0
050-070	2.4	3.9	.3	.2								6.8	6.0	6.0
(E) 080-100	3.4	3.1	.6									7.2	5.4	5.0
110-130	3.1	8.3	2.2		.1							13.7	6.6	6.0
140-160	4.0	12.6	2.3									18.8	6.5	6.0
(S) 170-190	5.5	6.7	.6									12.8	5.2	5.0
200-220	.8	.4	.1									1.3	4.0	3.0
230-250	.1											.1	4.0	4.0
(W) 260-280	.4	.2										.6	4.2	3.5
290-310	.9	.1										1.0	2.9	2.0
320-340	2.4	.4	.4	.1								3.3	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											22.0	////////////////////////////////	
TOTALS	29.6	39.5	7.5	1.0	.3							100.0	4.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.8	1.1	.2								6.7	6.5	6.0
020-040	3.2	3.4	1.1	.4								8.2	6.2	5.0
050-070	2.0	4.6	1.8	.2								8.7	7.0	6.0
(E) 080-100	2.7	4.7	1.0	.1								8.5	6.1	6.0
110-130	3.0	6.8	1.4									11.2	6.3	6.0
140-160	3.7	11.0	2.8	.2								17.6	6.9	7.0
(S) 170-190	4.9	7.4	1.3	.1								13.8	6.0	6.0
200-220	1.2	.6										1.8	4.2	4.0
230-250	.6											.6	3.2	3.5
(W) 260-280	.2											.2	2.0	2.0
290-310	.9	.3										1.2	4.5	4.0
320-340	2.7	1.0	.4									4.1	4.4	4.0
VARIABLE														
CALM	////////////////////											17.4	////////	
TOTALS	27.7	42.6	10.9	1.2								100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.9	1.8	.3								5.2	8.5	9.0
020-040	1.8	2.5	2.5	.1	.1							7.0	7.7	8.0
050-070	1.5	4.3	2.2									8.0	7.4	7.5
(E) 080-100	2.3	6.5	1.4		.1							10.2	6.7	6.0
110-130	3.7	7.5	3.2	.1	.2							14.7	7.4	8.0
140-160	4.1	8.5	7.6	.3								20.5	8.0	8.0
(S) 170-190	2.7	11.0	5.5	.2								19.4	7.8	8.0
200-220	.9	2.9	.3									4.1	6.1	6.0
230-250	.8	.3	.1									1.2	4.4	4.0
(W) 260-280	.3	.5	.1									1.0	5.9	7.0
290-310	.6	.2	.2									1.1	4.8	3.0
320-340	1.3	.4	.4									2.2	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											5.6	////////	
TOTALS	21.1	46.5	25.3	1.0	.4							100.0	7.0	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.0	2.4	.2	.1							6.0	8.4	8.5
020-040	1.6	2.3	2.4	.3								6.6	8.1	8.0
050-070	1.4	2.9	1.8	.1								6.2	7.4	8.0
(E) 080-100	2.3	4.6	1.8									8.7	6.8	6.0
110-130	2.8	8.8	3.7	.2	.1							15.6	7.5	7.0
140-160	3.0	11.3	10.6	1.4	.1							26.5	8.9	9.0
(S) 170-190	2.5	8.8	3.8	.2								15.3	7.6	8.0
200-220	2.2	2.2	.4									4.7	5.7	5.0
230-250	1.3	.9										2.2	4.2	4.0
(W) 260-280	1.2	.2	.1									1.5	4.4	4.0
290-310	.5	.1	.1									.8	4.9	4.0
320-340	.8	1.2	.8	.1								2.8	7.5	7.5
VARIABLE														
CALM	////////////////////////////////////											3.2	////////////////////////////////	
TOTALS	20.9	45.3	27.9	2.5	.3							100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	2.2	.9	.2		.1						3.8	8.8	8.0
020-040	1.4	3.7	2.0	.4								7.5	8.0	8.0
050-070	1.3	3.0	1.9	.1								6.3	7.7	8.0
(E) 080-100	1.8	6.1	2.7	.1								10.8	7.7	8.0
110-130	2.2	10.6	6.8	.6	.2							20.4	8.5	8.0
140-160	3.5	10.8	10.4	1.6	.1							26.5	9.1	9.0
(S) 170-190	2.8	7.4	4.1	.1								14.4	7.6	8.0
200-220	1.1	1.2	.5									2.8	6.2	5.5
230-250	.8	.4										1.2	4.4	4.0
(W) 260-280	.5	.1	.1									.8	4.1	3.0
290-310	.5	.2										.8	4.0	4.0
320-340	.5	1.2	.8	.3								2.8	8.5	8.5
VARIABLE														
CALM	////////////////////////////////////											2.0	////////////////////////////////	
TOTALS	16.8	46.9	30.2	3.4	.3	.1						100.0	8.0	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.7	.6	.2								3.2	7.7	6.5
020-040	1.1	2.6	2.7	.1								6.7	8.4	8.0
050-070	1.6	3.4	1.8									6.9	7.3	8.0
(E) 080-100	2.7	8.3	2.5	.1								13.5	7.1	7.0
110-130	2.8	11.1	12.4	1.7	.1							28.1	9.4	10.0
140-160	2.4	9.9	14.3	2.2	.1							28.8	9.7	10.0
(S) 170-190	3.1	2.4	1.4	.1								7.0	6.2	5.0
200-220	.4	.3	.3									1.1	6.0	5.5
230-250	.2	.3										.5	4.2	5.0
(W) 260-280	.3											.3	2.0	2.0
290-310	.2	.1	.1									.4	5.3	4.5
320-340	.5	.1	.3									1.0	6.4	4.0
VARIABLE														
CALM	////////////////////////////////////											2.5	////////////////////////////////	
TOTALS	15.9	40.2	36.6	4.4	.2							100.0	8.3	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.5	.2	.2								1.6	7.9	7.0
020-040	2.3	2.3	1.7	.3	.1							6.7	7.7	6.5
050-070	2.3	4.2	1.1									7.5	6.3	6.0
(E) 080-100	3.0	5.4	.6									9.0	5.5	5.0
110-130	2.6	11.6	9.0	1.2								24.4	8.7	8.0
140-160	2.9	14.3	15.8	.4	.1							33.5	9.0	9.0
(S) 170-190	2.2	3.3	1.2		.1							6.8	6.4	6.0
200-220	.3	.1										.4	3.3	3.0
230-250	.4											.4	2.0	2.0
(W) 260-280														
290-310	.3											.3	4.0	4.0
320-340	1.2	.1	.1		.1							1.5	5.0	3.0
VARIABLE														
CALM	////////////////////////////////////											7.7	////////////////////////////////	
TOTALS	18.1	41.8	29.7	2.1	.4							100.0	7.3	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	1.7	.9	.2	.0	.0						4.3	7.3	6.0
020-040	2.2	2.6	1.8	.3	.1	.0						7.0	7.4	7.0
050-070	1.8	3.7	1.4	.1								7.0	6.9	7.0
(E) 080-100	2.7	5.3	1.4	.0	.0							9.4	6.5	6.0
110-130	2.8	9.2	5.2	.5	.1							17.8	8.0	8.0
140-160	3.7	12.0	8.8	.8	.1							25.4	8.3	8.0
(S) 170-190	3.6	6.5	2.4	.1	.0							12.6	6.7	6.0
200-220	.9	1.0	.2									2.2	5.5	5.0
230-250	.6	.2	.0									.8	3.9	4.0
(W) 260-280	.4	.1	.1	.0								.6	5.0	4.0
290-310	.5	.2	.1	.0	.0							.8	4.7	4.0
320-340	1.4	.6	.5	.1	.0							2.5	5.7	4.0
VARIABLE														
CALM	////////////////////////////////////											9.6	////////	
TOTALS	22.0	43.1	22.8	2.1	.3							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.8	.2	.2								1.8	6.9	6.0
020-040	1.8	1.2	.7	.2	.1							4.0	6.5	5.0
050-070	1.5	3.7	1.7									6.9	7.2	7.0
(E) 080-100	2.4	5.7	1.1	.1	.1							9.3	6.5	6.0
110-130	3.7	13.9	3.4		.1							21.0	6.9	7.0
140-160	4.2	19.2	5.5	.2	.2							29.1	7.3	7.0
(S) 170-90	5.4	8.3	1.9	.1								15.7	5.9	6.0
200-220	.9	1.0										1.9	4.7	5.0
230-250	.5	.1										.6	3.6	4.0
(W) 260-280	.2		.1									.3	4.3	2.5
290-310		.2		.1								.2	10.3	8.0
320-340	.2	.1	.1	.1	.1							.5	10.3	8.5
VARIABLE														
CALM	////////////////////											8.7	////////	
TOTALS	21.5	54.2	14.7	1.0	.6							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 1226

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.9	.2		.1							3.0	4.8	4.0
020-040	1.6	1.8	.4									3.8	5.6	6.0
050-070	1.6	2.2	.7									4.4	6.5	6.5
(E) 080-100	2.9	2.7	.3									5.9	4.8	5.0
110-130	4.7	7.7	1.9									14.2	6.2	6.0
140-160	8.6	22.3	5.1	.2								36.2	6.6	6.0
(S) 170-190	6.2	5.6	1.0	.2								13.0	5.6	5.0
200-220	.2											.2	2.5	2.5
230-250	.2	.1										.3	4.7	4.0
(W) 260-280	.1	.1										.2	4.0	4.0
290-310	.2											.2	1.5	1.5
320-340	1.6											1.6	3.0	3.5
VARIABLE														
CALM	////////////////////////////////////											16.9	////////	
TOTALS	29.7	43.4	9.6	.4	.1							100.0	5.0	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.0	.9	.1									3.0	4.0	3.0
020-040	1.9	2.3	.7									4.9	5.6	5.5
050-070	2.9	2.1	.2									5.2	4.7	4.0
(E) 080-100	2.9	1.2	.6									4.7	5.0	4.0
110-130	5.4	3.2	.3									9.0	4.6	4.0
140-160	9.7	13.0	1.8									24.4	5.5	5.0
(S) 170-190	7.6	7.3	.9	.1								15.9	5.1	5.0
200-220	.7	.1										.8	3.1	2.0
230-250	.3	.2										.6	5.0	4.0
(W) 260-280	.1	.1										.2	4.0	4.0
290-310	.3											.3	3.7	4.0
320-340	1.6	.2	.1									1.9	3.4	2.0
VARIABLE														
CALM	////////////////////////////////////										29.1	////////////////////////////////		
TOTALS	35.4	30.6	4.7	.1								100.0	3.6	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UT: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.6	1.4	.1									3.1	5.0	4.5
020-040		3.1	2.9	.4									6.4	5.1	5.0
050-070		2.4	2.8	.9									6.1	5.8	6.0
(E) 080-100		2.8	2.2	.3									5.3	4.6	4.0
110-130		4.3	4.2	.4									9.0	5.0	5.0
140-160		8.0	11.7	1.7	.2								21.6	5.9	6.0
(S) 170-190		7.1	10.2	1.4	.1								18.9	5.6	5.0
200-220		1.0	.8	.2									2.0	5.4	4.5
230-250		.7	.1	.1									.9	4.1	3.0
(W) 260-280		.6	.1										.7	3.7	3.0
290-310		.2	.2										.4	4.3	4.5
320-340		1.8	.3	.1									2.2	3.6	3.5
VARIABLE															
CALM		////////////////////////////////////											23.3	////////////////////////////////	
TOTALS		33.6	36.9	5.6	.3								100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 900															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.1	1.4	.6	.2							3.3	6.9	5.5
020-040	1.4	1.6	.9		.1						4.0	6.8	6.0
050-070	2.1	2.7	1.9	.1							6.8	7.2	6.0
(E) 080-100	2.6	2.4	.3	.1							5.5	5.4	5.0
110-130	4.2	5.5	1.2	.2							11.1	5.9	5.5
140-160	4.9	11.5	4.2	.1							20.7	6.9	6.0
(S) 170-190	6.1	16.2	4.6	.7							27.6	7.1	7.0
200-220	3.9	3.0	.8								7.7	5.1	4.0
230-250	1.4	.8									2.2	4.0	4.0
(W) 260-280	1.1	.3									1.4	3.5	3.0
290-310	.6	.1	.1								.8	4.7	4.0
320-340	.4	.4									.9	4.6	4.5
VARIABLE													
CALM	////////////////////////////////////										8.0	////////	
TOTALS	29.8	45.9	14.6	1.4	.1						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.2	.6									2.4	6.8	7.0
020-040	1.6	2.7	1.4									5.7	7.1	6.0
050-070	2.1	3.3	1.1	.1								6.7	6.3	6.0
(E) 080-100	3.0	3.2	.9									7.1	5.7	5.5
110-130	5.6	6.8	2.4									14.8	6.1	6.0
140-160	6.0	14.7	6.4	.4								27.6	7.2	7.0
(S) 170-190	5.7	10.3	4.4	.2								20.7	6.8	6.0
200-220	2.2	3.0	.4									5.7	5.6	6.0
230-250	.7	.1										.8	3.3	4.0
(W) 260-280	.6	.3										.9	4.0	4.0
290-310	.2	.1										.3	3.3	2.0
320-340	.4	.6	.1									1.1	5.0	5.0
VARIABLE														
CALM	////////////////////											6.3	////////	
TOTALS	28.8	46.3	17.7	.7								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.6	1.7	.7									3.9	5.9	5.0
020-040		1.8	2.8	1.2	.3								6.1	7.1	6.0
050-070		1.3	2.6	1.8	.2								5.9	7.6	8.0
(E) 080-100		3.0	4.3	1.0	.1								8.4	6.1	6.0
110-130		5.1	8.7	5.0	.6								19.3	7.5	8.0
140-160		4.3	14.6	8.1	1.0								28.0	8.0	8.0
(S) 170-190		4.9	9.1	2.9	.2								17.1	6.6	6.0
200-220		1.3	1.7		.1								3.1	5.2	5.0
230-250		.8	.1										.9	3.8	3.5
(W) 260-280		.6	.3										.9	4.4	3.5
290-310		.6											.6	3.0	3.0
320-340		.2	.2										.4	5.0	4.5
VARIABLE															
CALM		////////////////////////////////////										5.3	////////////////////////////////		
TOTALS		25.5	46.1	20.7	2.5								100.0	6.7	7.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.8	.6									1.7	7.5	7.0
020-040	1.9	2.6	.9	.2								5.6	6.5	6.0
050-070	2.3	2.1	1.7									6.1	6.7	6.0
(E) 080-100	4.3	6.1	1.2									11.7	5.8	6.0
110-130	4.9	13.1	9.9	.9								28.8	8.1	8.0
140-160	5.1	12.3	10.4	1.9	.1							29.9	8.6	8.0
(S) 170-190	5.0	2.9	.8									8.7	5.1	4.0
200-220	.3	.2		.1								.7	6.8	5.0
230-250	.1											.1	3.0	3.0
(W) 260-280	.1											.1	4.0	4.0
290-310	.2	.1										.3	4.7	4.0
320-340	.1											.1	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											6.3	////////////////////////////////	
TOTALS	24.6	40.2	25.5	3.1	.1							100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.6	.2	.2	.1							2.1	7.0	5.0
020-040	1.7	1.8	.4									3.9	5.8	5.0
050-070	2.0	2.9	.3									5.2	5.5	5.0
(E) 080-100	3.7	3.9	.8									8.3	5.3	5.0
110-130	4.8	12.1	5.0									21.9	7.3	7.0
140-160	3.3	21.1	15.4	1.3								41.2	8.7	8.0
(S) 170-190	3.4	1.7	.6									5.7	5.0	4.0
200-220	.2											.2	3.0	3.0
230-250	.2											.2	2.0	2.0
(W) 260-280			.1									.1	10.0	10.0
290-310	.1	.1										.2	5.0	5.0
320-340	.6	.2										.8	3.7	4.0
VARIABLE														
CALM	////////////////////////////////////											10.1	////////	
TOTALS	21.0	44.4	22.8	1.5	.1							100.0	6.6	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.1	.4	.1	.0							2.8	5.8	5.0
020-040	1.9	2.3	.8	.1	.0							5.0	6.2	6.0
050-070	2.1	2.6	1.1	.1								5.8	6.3	6.0
(E) 080-100	3.1	3.3	.7	.0								7.1	5.4	5.0
110-130	4.9	7.7	3.3	.2								16.0	6.8	6.0
140-160	6.2	15.1	6.7	.7	.0							28.7	7.3	7.0
(S) 170-190	5.8	7.9	2.1	.2								15.9	6.1	6.0
200-220	1.2	1.1	.2	.0								2.5	5.2	5.0
230-250	.6	.2	.0									.8	3.9	4.0
(W) 260-280	.4	.2	.0									.6	4.0	4.0
290-310	.3	.1	.0									.4	3.9	4.0
320-340	.8	.3	.0									1.1	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											13.2	////////////////////////////////	
TOTALS	28.6	41.9	15.3	1.4								100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 7199														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION )	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
(DEGREES)												%	WIND	WIND	
(N) 350-010	.7	.5	.2	.1	.1							1.6	6.8	5.5	
020-040	.9	1.6	.6									3.1	6.1	6.0	
050-070	2.1	2.2	1.2									5.4	6.2	6.0	
(E) 080-100	2.8	3.6	.8									7.1	5.6	5.0	
110-130	5.9	6.9	2.0	.1								14.9	5.9	5.0	
140-160	10.5	18.4	3.0									31.9	5.9	6.0	
(S) 170-190	8.9	12.3	.9									22.1	5.2	5.0	
200-220	.3	.2	.1	.1								.8	6.7	5.0	
230-250	.2	.2										.5	4.8	4.5	
(W) 260-280		.2										.2	7.0	7.0	
290-310															
320-340	.1											.1	2.0	2.0	
VARIABLE															
CALM	////////////////////////////////////											12.2	////////////////////////////////		
TOTALS	32.4	46.1	8.8	.3	.1							100.0	5.1	5.0	

TOTAL NUMBER OF OBSERVATIONS 868

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.0	2.0
020-040	.9	.1	.1									1.1	3.8	3.0
050-070	2.2	.2										2.4	3.5	4.0
(E) 080-100	2.4	1.6	.3									4.3	4.5	4.0
110-130	4.7	5.3	.5									10.5	5.1	5.0
140-160	14.7	24.1	3.8	.1								42.7	5.8	6.0
(S) 170-190	12.6	6.1	1.1									19.8	4.4	4.0
200-220	.3	.2										.5	3.8	4.0
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////											18.3	////////	
TOTALS	38.2	37.6	5.8	.1								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.1										.5	3.0	2.0
020-040	1.1	.1	.2									1.4	4.3	3.0
050-070	2.4	.9										3.2	3.7	3.0
(E) 080-100	2.5	1.1	.1									3.7	3.7	3.0
110-130	4.1	2.7	.1									6.9	4.2	4.0
140-160	11.8	11.8	.8									24.4	5.0	5.0
(S) 170-190	10.9	5.3	.5									16.7	4.3	4.0
200-220	.2											.2	2.0	2.0
230-250	.1											.1	2.0	2.0
(W) 260-280	.1											.1	2.0	2.0
290-310	.2											.2	1.5	1.5
320-340	.3											.3	2.3	2.0
VARIABLE														
CALM	////////////////////////////////////											42.3	////////////////////////////////	
TOTALS	34.1	22.0	1.7									100.0	2.6	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.2										1.5	3.2	4.0
020-040	2.3	.6										2.9	3.6	4.0
050-070	1.6	1.4	.1									3.1	4.6	4.0
(E) 080-100	3.8	1.5										5.3	4.0	4.0
110-130	4.3	1.8	.1									6.2	4.2	4.0
140-160	10.8	12.8	1.3									24.8	5.3	5.0
(S) 170-190	9.8	9.6	1.0									20.3	4.9	5.0
200-220	2.6	1.1	.1									3.8	4.0	4.0
230-250	.4	.3										.8	4.4	4.0
(W) 260-280	.2											.2	2.5	2.5
290-310	.1											.1	2.0	2.0
320-340	.8											.8	2.1	2.0
VARIABLE														
CALM	////////////////////////////////////											30.2	////////	
TOTALS	38.0	29.3	2.6									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.3	.2	.1									.6	5.3	4.5
020-040		1.4	1.2	.2									2.8	5.7	4.5
050-070		1.7	2.7	.2									4.6	5.7	5.0
(E) 080-100		1.9	2.6	.2									4.7	5.3	5.0
110-130		5.3	3.0	.5									8.8	4.7	4.0
140-160		6.1	11.1	2.4	.1								19.7	6.3	6.0
(S) 170-190		8.5	16.2	5.2	.1								30.0	6.6	6.0
200-220		6.6	4.6	.4									11.6	4.7	4.0
230-250		2.2	.8	.2									3.1	3.9	3.0
(W) 260-280		.8											.8	2.4	2.0
290-310		.6											.6	2.2	2.0
320-340		.1											.1	2.0	2.0
VARIABLE															
CALM		////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	12.5	////////////////////////////////	
TOTALS		35.5	42.4	9.4	.2								100.0	5.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.3	.1									.9	5.3	5.0
020-040	1.1	1.1	.1									2.3	5.3	5.0
050-070	2.6	1.6	.6									4.8	5.2	4.0
(E) 080-100	4.3	4.5	.8									9.6	5.4	5.0
110-130	6.5	6.7	1.0	.2								14.3	5.5	5.0
140-160	8.8	14.4	5.4	.5								29.1	6.8	7.0
(S) 170-190	6.5	12.4	3.2	.1								22.2	6.4	6.0
200-220	3.0	3.8	.3									7.1	5.4	5.0
230-250	.6	.3										1.0	3.7	3.0
(W) 260-280	.6	.3										1.0	3.3	2.0
290-310	.1	.2										.3	4.3	5.0
320-340	.2											.2	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											7.3	////////////////////////////////	
TOTALS	34.7	45.6	11.5	.8								100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.4	.2									1.2	5.5	5.0
020-040	.8	1.2	.3	.3								2.6	7.4	6.5
050-070	1.4	2.4	1.0									4.7	6.5	6.0
(E) 080-100	3.0	5.9	2.7									11.6	6.6	6.0
110-130	5.2	8.8	4.5	.3								18.8	7.0	7.0
140-160	6.3	16.8	7.4	.9								31.4	7.4	8.0
(S) 170-190	5.2	11.7	2.8	.5	.1	.1						20.4	7.0	6.0
200-220	1.7	1.0										2.7	4.3	4.0
230-250	.3	.1										.4	3.0	2.5
(W) 260-280	.2	.1										.3	3.0	3.0
290-310	.1	.1										.2	5.0	5.0
320-340		.2										.2	9.0	9.0
VARIABLE														
CALM	////////////////////////////////////											5.4	////////	
TOTALS	24.7	48.7	18.9	2.0	.1	.1						100.0	6.6	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.2										.9	3.6	4.0
020-040	.9	1.0	.5									2.4	6.1	5.5
050-070	1.0	1.2	.3	.1								2.6	6.5	6.0
(E) 080-100	3.1	5.7	1.8		.1							10.8	6.6	6.0
110-130	4.8	15.2	7.7	.3								28.1	7.6	7.0
140-160	5.4	14.8	14.2	2.4	.1							36.9	8.8	9.0
(S) 170-190	4.9	5.2	2.0									12.2	5.9	6.0
200-220	.4											.4	2.8	2.5
230-250	.2											.2	2.0	2.0
(W) 260-280	.1											.1	2.0	2.0
290-310														
320-340	.1		.1									.2	8.5	.5
VARIABLE														
CALM	////////////////////////////////////											5.4	////////	
TOTALS	21.5	43.3	26.6	2.8	.2							100.0	7.2	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2											.2	2.0	2.0
020-040	.3											.3	3.3	4.0
050-070	1.5	1.5										3.0	4.8	4.5
(E) 080-100	4.2	3.2	.6									8.1	4.9	4.0
110-130	4.8	10.1	3.0									18.0	6.6	6.0
140-160	4.2	27.1	22.2	1.3								54.7	8.7	8.0
(S) 170-190	3.5	3.0	1.7									8.3	6.2	6.0
200-220	.2											.2	2.5	2.5
230-250														
(W) 260-280	.1											.1	2.0	2.0
290-310														
320-340	.2											.2	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											6.9	////////////////////////////////	
TOTALS	19.2	44.9	27.5	1.3								100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.2	.1									.8	4.1	4.0
020-040	1.1	.7	.2	.0								2.0	5.3	4.0
050-070	1.8	1.5	.3	.0								3.6	5.2	4.0
(E) 080-100	3.1	3.3	.8		.0							7.2	5.5	5.0
110-130	5.0	6.7	2.2	.1								14.0	6.2	6.0
140-160	8.5	16.6	7.2	.7	.0							33.0	7.0	7.0
(S) 170-190	7.7	8.7	2.2	.1	.0	.0						18.7	5.8	5.0
200-220	1.9	1.5	.1									3.3	4.7	4.0
230-250	.5	.2	.0									.7	3.8	3.0
(W) 260-280	.3	.1										.3	2.8	2.0
290-310	.1	.0										.2	2.9	2.0
320-340	.2	.0	.0									.3	3.6	2.0
VARIABLE														
CALM	////////////////////											16.0	////////	
TOTALS	30.7	39.3	13.1	.9								100.0	5.2	6.0
TOTAL NUMBER OF OBSERVATIONS 7440														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2											.2	4.0	4.0
020-040	.3	.5										.8	4.8	6.0
050-070	2.7	2.1	.3									5.1	4.9	4.0
(E) 080-100	2.8	3.8	.8									7.4	5.5	5.0
110-130	5.4	6.6	.5									12.5	5.2	5.0
140-160	11.5	17.4	1.7									30.6	5.6	5.0
(S) 170-190	13.4	10.6	.8									24.8	4.8	4.0
200-220	2.4	.3										2.7	3.2	3.0
230-250	.6											.6	3.3	3.0
(W) 260-280	.2											.2	2.0	2.0
290-310	.2											.2	2.0	2.0
320-340	.2											.2	1.0	1.0
VARIABLE														
CALM	////////////////////////////////////											14.8	////////////////////////////////	
TOTALS	39.9	41.3	4.1									100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 633

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.2										.4	5.0	4.0
020-040	1.3	.2	.1	.1								1.7	4.9	4.0
050-070	1.2	.9		.1								2.2	4.5	3.5
(E) 080-100	2.4	1.6	.1	.2								4.3	5.1	4.0
110-130	5.6	5.9	.5									12.0	5.0	5.0
140-160	13.5	21.9	2.3									37.7	5.6	5.0
(S) 170-190	9.2	5.4	.5									15.2	4.5	4.0
200-220	.6											.6	1.8	2.0
230-250	.3											.3	1.7	2.0
(W) 260-280	.2											.2	2.5	2.5
290-310	.3											.3	2.0	2.0
320-340	.2											.2	1.5	1.5
VARIABLE														
CALM	////////////////////////////////////											24.7	////////////////////////////////	
TOTALS	35.0	36.1	3.5	.4								100.0	3.9	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.3										.8	3.9	2.0
020-040	1.2	1.0	.1									2.7	4.4	4.0
050-070	1.6	.8		.3								2.7	5.6	4.0
(E) 080-100	2.5	1.0	.1									3.5	3.7	3.0
110-130	5.1	2.4	.1									7.5	4.3	4.0
140-160	16.1	8.5	.2									24.8	4.2	4.0
(S) 170-190	7.6	4.5										12.2	4.1	4.0
200-220	.4											.4	3.0	3.0
230-250	.1											.1	1.0	1.0
(W) 260-280														
290-310	.1											.1	1.0	1.0
320-340	1.3											1.3	2.5	2.0
VARIABLE														
CALM	////////////////////////////////////											44.3	////////////////////////////////	
TOTALS	36.4	18.5	.5	.3								100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.3										1.6	3.1	3.0
020-040	2.7	1.5	.3	.2								4.7	5.0	4.0
050-070	2.2	1.0	.2	.1								3.4	4.8	3.0
(E) 080-100	2.2	1.6	.1									3.9	4.6	4.0
110-130	2.7	2.4	.2									5.3	4.7	4.0
140-160	12.3	9.9	.6									22.8	4.7	4.0
(S) 170-190	7.2	6.3	.4									14.0	4.7	4.0
200-220	1.8	.4										2.3	3.5	3.0
230-250	.3											.3	2.3	2.0
(W) 260-280	.4	.1										.5	3.4	2.0
290-310	.8											.8	1.9	2.0
320-340	1.2											1.2	2.1	2.0
VARIABLE														
CALM	////////////////////////////////////											39.2	////////////////////////////////	
TOTALS	35.1	23.5	1.8	.3								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.8	.2										1.0	4.0	4.0
020-040		2.0	1.5	.1	.1								3.8	5.2	4.0
050-070		1.8	2.0	1.0	.1								4.9	6.3	6.0
(E) 080-100		2.8	2.4	.4									5.6	5.1	4.5
110-130		4.3	2.9	.2									7.4	4.7	4.0
140-160		6.7	11.2	3.2									21.1	6.1	6.0
(S) 170-190		7.7	14.9	3.1	.1								25.9	6.0	6.0
200-220		4.8	4.5	.1									9.5	4.7	4.0
230-250		2.7	.5										3.2	3.5	3.5
(W) 260-280		2.0	.4										2.5	3.3	3.0
290-310		.9	.2										1.1	3.2	2.0
320-340		.6	.2										.9	3.3	2.5
VARIABLE															
CALM		////////////////////////////////////											13.2	////////////////////////////////	
TOTALS		37.1	40.9	8.1	.3								100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.3	.8	.2									1.3	6.2	6.5
020-040	1.5	1.5	.3	.1	.2							3.7	6.4	5.0
050-070	3.1	1.9	.9	.1								6.0	5.8	4.0
(E) 080-100	4.5	4.6	.9	.1								10.1	5.3	5.0
110-130	7.3	6.5	.8									14.5	5.1	4.0
140-160	9.1	12.0	3.1	.2								24.5	6.0	6.0
(S) 170-190	4.8	11.9	3.3									20.1	6.6	6.0
200-220	3.9	2.6	.5									7.0	4.8	4.0
230-250	1.1	.6										1.7	4.2	4.0
(W) 260-280	.4											.4	2.8	2.5
290-310	.3	.2										.5	3.8	3.0
320-340	.5	.1										.6	4.2	3.5
VARIABLE														
CALM	////////////////////////////////////										9.5	////////////////////////////////		
TOTALS	36.8	42.7	10.0	.5	.2							100.0	5.2	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.1	1.5	.1									1.7	7.1	7.0
020-040	2.4	1.0	.4	.2								4.0	5.6	4.0
050-070	2.7	2.6	.6		.1							6.0	5.6	5.0
(E) 080-100	3.1	4.8	1.2	.2	.2							9.6	6.6	6.0
110-130	4.7	10.6	3.0	1.1								19.5	7.0	6.0
140-160	7.1	15.7	6.7	.6								30.1	7.1	7.0
(S) 170-190	5.3	8.5	3.4									17.2	6.5	6.0
200-220	1.8	.6	.1									2.6	4.2	4.0
230-250	.4	.2										.6	3.8	4.0
(W) 260-280	.1											.1	3.0	3.0
290-310	.2											.2	2.0	2.0
320-340	.9	.5										1.4	4.2	3.0
VARIABLE														
CALM	////////////////////////////////////											7.0	////////////////////////////////	
TOTALS	28.8	46.0	15.5	2.1	.3							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.4		.1								1.0	6.6	5.0
020-040	1.0	1.3	1.0									3.2	6.9	6.0
050-070	2.4	1.6	.8	.1								4.8	5.8	5.0
(E) 080-100	3.1	4.4	1.0	.3								8.8	6.1	5.5
110-130	5.9	11.7	6.3	1.1	.2							25.3	7.7	7.0
140-160	5.5	16.9	13.8	1.8								38.0	8.6	8.0
(S) 170-190	3.7	3.8	1.9									9.4	6.2	6.0
200-220	.4	.1										.5	4.0	4.0
230-250	.2				.1							.3	8.7	4.0
(W) 260-280														
290-310														
320-340		.2	.1									.3	8.3	7.0
VARIABLE														
CALM	////////////////////											8.4	////////	
TOTALS	22.6	40.4	24.9	3.4	.3							100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.2										.8	4.0	4.0
020-040	.9	.8	.3									1.9	5.8	5.0
050-070	1.2	1.1	.8									3.0	6.0	5.5
(E) 080-100	2.6	3.8	.3	.1	.2							7.0	6.0	5.0
110-130	3.9	8.1	3.0	.6								15.6	7.2	7.0
140-160	4.9	24.5	19.2	.6								49.4	8.4	8.0
(S) 170-190	2.8	3.8	1.8									8.4	6.7	6.0
200-220		.1										.1	8.0	8.0
230-250	.2	.2										.4	4.0	3.5
(W) 260-280	.2											.2	3.0	3.0
290-310	.3											.3	2.7	3.0
320-340	.1											.1	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											12.8	////////////////////////////////	
TOTALS	17.6	42.6	25.4	1.3	.2							100.0	6.6	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.5	.0	.0								1.1	5.1	5.0
020-040	1.6	1.1	.3	.1	.0							3.2	5.6	4.0
050-070	2.0	1.5	.5	.1	.0							4.1	5.7	5.0
(E) 080-100	2.9	3.0	.5	.1	.1							6.6	5.6	5.0
110-130	4.9	6.3	1.8	.3	.0							13.4	6.2	6.0
140-160	9.4	15.1	6.1	.4								31.0	6.6	6.0
(S) 170-190	6.0	7.4	1.8	.0								15.3	5.7	6.0
200-220	1.7	1.0	.1									2.9	4.4	4.0
230-250	.7	.2			.0							.9	3.8	3.5
(W) 260-280	.4	.1										.5	3.2	3.0
290-310	.4	.1										.4	2.7	2.0
320-340	.6	.1	.0									.8	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											19.9	////////////////////////////////	
TOTALS	31.1	36.4	11.1	1.0	.1							100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 7440														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: - 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010														
020-040	.8	.6	.2	.2								1.7	7.0	6.0
050-070	1.0	1.5	1.2									3.7	7.2	6.0
(E) 080-100	1.5	2.7	1.4	.8	.8							6.9	9.1	7.5
110-130	4.8	4.8	.2									9.8	4.8	5.0
140-160	15.1	17.8	.8									33.6	5.1	5.0
(S) 170-190	10.8	9.2	1.2									21.8	5.1	5.0
200-220	1.5	.4										1.9	3.6	4.0
230-250	.2	.2										.4	4.0	4.0
(W) 260-280	.6	.2										.8	3.8	3.0
290-310	.2											.2	3.0	3.0
320-340	.2											.2	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											18.9	////////////////////////////////	
TOTALS	36.7	37.8	5.0	1.0	.8							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 518

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.7	.6	.2								4.1	5.8	4.0
020-040	3.1	3.1	1.9	.2								8.3	6.5	5.0
050-070	2.0	1.4	.8									4.2	5.2	5.0
(E) 080-100	4.0	.8										4.8	3.5	3.0
110-130	6.2	6.0	.2	.1								12.6	5.0	5.0
140-160	8.4	13.8	3.0									25.2	6.0	6.0
(S) 170-190	3.3	3.7	.9									7.9	5.7	6.0
200-220	.2											.2	2.5	2.5
230-250	.1											.1	2.0	2.0
(W) 260-280														
290-310	.1											.1	3.0	3.0
320-340	1.9	.2										2.1	2.8	2.0
VARIABLE														
CALM	////////////////////////////////////											30.3	////////	
TOTALS	32.0	29.7	7.4	.5								100.0	3.8	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	1.6	.4									6.1	4.2	4.0
020-040	2.4	4.2	1.6	.2								8.4	6.8	6.0
050-070	1.9	1.1	.7									3.7	5.1	4.0
(E) 080-100	2.7	1.0										3.7	3.8	4.0
110-130	6.0	2.6	.2									8.8	4.1	4.0
140-160	5.8	5.9	1.2									12.9	5.4	5.0
(S) 170-190	4.0	5.0	.8									9.8	5.5	5.0
200-220	.8	.2										1.0	4.0	4.0
230-250	.2											.2	2.5	2.5
(W) 260-280														
290-310	.4											.4	1.8	2.0
320-340	2.6	.2										2.8	2.6	2.0
VARIABLE														
CALM	////////////////////											42.2	////////	
TOTALS	30.9	21.8	4.9	.2								100.0	2.9	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	4.2	2.1	1.4	.4								8.2	6.1	4.0	
020-040	3.7	4.8	1.7	.2								10.3	6.3	6.0	
050-070	3.9	2.3	.1									6.3	4.6	4.0	
(E) 080-100	2.9	1.9										4.8	4.5	4.0	
110-130	3.3	2.0	.1									5.4	4.3	4.0	
140-160	4.9	6.6	.4									11.9	5.1	5.0	
(S) 170-190	5.9	4.3	.2									10.4	4.8	4.0	
200-220	.6	.2										.6	3.3	2.0	
230-250	.2											.2	3.0	3.0	
(W) 260-280															
290-310															
320-340	2.6											2.6	2.6	2.0	
VARIABLE															
CALM	////////////////////////////////////										39.0	////////////////////////////////			
TOTALS	32.2	24.2	3.9	.6								100.0	3.1	4.0	
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.3	.7	.1								2.7	7.6	8.0
020-040	2.4	6.2	3.1	.8								12.6	8.0	8.0
050-070	3.6	5.0	1.4									10.0	5.9	6.0
(E) 080-100	3.4	4.0	.6									8.0	5.3	5.0
110-130	3.8	4.0	.6									8.3	5.0	5.0
140-160	4.1	7.6	2.9									14.6	6.5	6.0
(S) 170-190	5.9	11.3	2.2	.1								19.6	6.2	6.0
200-220	3.9	3.4	.6									7.9	5.3	5.0
230-250	1.3	.6	.1									2.0	4.2	4.0
(W) 260-280	.9	.4										1.3	3.9	3.5
290-310	1.0	.2	.1									1.3	3.8	3.0
320-340	.9	.1										1.0	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											10.8	////////	
TOTALS	31.8	44.1	12.3	1.0								100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.0	1.0									4.1	6.8	6.0
020-040	3.2	4.7	3.2	.4								11.6	7.4	7.0
050-070	2.6	3.6	2.7									8.8	6.9	7.0
(E) 080-100	3.9	5.0	.7									9.6	5.4	5.0
110-130	3.3	7.0	1.6									11.9	6.2	6.0
140-160	6.6	9.1	3.3	.1								19.1	6.3	6.0
(S) 170-190	4.6	8.4	2.4	.1								15.6	6.4	6.0
200-220	4.0	2.3	.6									6.9	4.9	4.0
230-250	.9	.7										1.6	3.9	3.5
(W) 260-280	.4	.1										.6	3.2	4.0
290-310	.2	.1										.3	4.0	4.0
320-340	.7	.4	.1									1.2	5.0	3.0
VARIABLE														
CALM	////////////////////////////////////											8.9	////////////////////////////////	
TOTALS	31.5	43.4	15.6	.6								100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.6	1.2	.4	.1							4.3	9.1	9.0
020-040	2.8	4.6	3.1	.1								10.6	7.3	8.0
050-070	2.8	4.6	3.4	.2								11.0	7.5	7.0
(E) 080-100	3.3	6.2	.7	.2								10.4	6.2	6.0
110-130	3.9	8.0	2.8	.4	.1							15.2	7.0	6.0
140-160	4.4	12.8	5.4	.6								23.2	7.5	7.0
(S) 170-190	4.4	6.1	2.3	.2								13.1	6.3	6.0
200-220	1.7	.6	.2									2.4	4.2	4.0
230-250	.3	.4										.8	4.7	5.0
(W) 260-280	.3	.1										.4	2.8	2.0
290-310	.2											.2	3.0	3.0
320-340	.6	.2	.1	.1								1.0	5.8	4.0
VARIABLE														
CALM	////////////////////////////////////											7.2	////////////////////////////////	
TOTALS	25.7	45.2	19.2	2.2	.2							100.0	6.5	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.4	.8	.1	.1							3.2	7.9	8.0
020-040	2.0	3.4	1.9	.6	.1							8.0	7.9	7.0
050-070	3.6	4.6	2.0	.1								10.2	6.3	6.0
(E) 080-100	5.9	7.4	.9									14.2	5.4	5.0
110-130	8.1	12.0	4.6	.2								24.9	6.4	6.0
140-160	4.7	9.8	6.4	.9								21.8	8.0	8.0
(S) 170-190	4.0	.7	.6	.2								5.4	4.9	4.0
200-220	.8	.1	.1									1.0	4.2	4.0
230-250	.3	.1										.4	3.5	3.0
(W) 260-280	.2											.2	3.0	3.0
290-310			.1									.1	11.0	11.0
320-340	.1											.1	2.0	2.0
VARIABLE														
CALM	////////////////////////////////////											10.3	////////	
TOTALS	30.5	39.5	17.4	2.1	.2							100.0	6.0	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	1.7	.2									3.3	5.3	5.0
020-040	2.8	2.3	1.2	.6								6.9	6.8	6.0
050-070	4.3	1.9	1.2	.1								7.6	5.4	4.0
(E) 080-100	4.2	5.2	.3									9.8	5.0	5.0
110-130	4.7	10.4	2.9									18.0	6.6	6.0
140-160	4.7	15.7	9.4	.3								30.1	7.8	8.0
(S) 170-190	1.8	2.0	1.0	.1								4.9	7.0	6.0
200-220	.4	.3	.1									.9	5.1	4.5
230-250			.1									.1	10.0	10.0
(W) 260-280														
290-310	.1											.1	2.0	2.0
320-340	1.4	.1										1.6	2.8	2.5
VARIABLE														
CALM	////////////////////////////////////											16.8	////////////////////////////////	
TOTALS	25.8	39.6	16.4	1.1								100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	2.0	1.5	.8	.2	.0						4.5	6.4	6.0
020-040	2.8	4.2	2.2	.4	.0						9.6	7.2	7.0
050-070	3.1	3.1	1.5	.1							7.7	6.1	6.0
(E) 080-100	3.8	3.9	.4	.0							8.2	5.2	5.0
110-130	4.9	6.5	1.6	.1	.0						13.1	5.9	6.0
140-160	5.4	10.1	4.0	.2							19.8	6.8	6.0
(S) 170-190	4.2	5.2	1.3	.1							10.8	5.9	6.0
200-220	1.5	.9	.2								2.6	4.8	4.0
230-250	.4	.2	.0								.7	4.1	4.0
(W) 260-280	.2	.1									.3	3.5	3.0
290-310	.3	.0	.0								.3	3.6	3.0
320-340	1.3	.2	.0	.0							1.5	3.2	2.0
VARIABLE													
CALM	////////////////////////////////////										20.7	////////	
TOTALS	29.9	35.9	12.0	1.1							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.3	.8	.8								1.8	8.0	9.0
020-040	1.1	2.4	1.2	.2							4.8	7.3	8.0
050-070	2.4	3.8	.3	.2							6.7	5.9	6.0
(E) 080-100	4.1	3.3	.6								8.0	5.1	4.0
110-130	8.0	5.3	.6								13.9	4.8	4.0
140-160	9.5	11.8	2.6								23.9	5.6	5.0
(S) 170-190	7.6	10.6	2.0								20.2	5.8	6.0
200-220	1.4	.3	.2								1.8	4.5	4.0
230-250	.6	.2									.8	3.4	3.0
(W) 260-280		.2									.2	8.0	8.0
290-310			.2								.2	11.0	11.0
320-340	.3	.2		.2							.6	6.8	4.5
VARIABLE													
CALM	////////////////////////////////////										17.1	////////	
TOTALS	35.3	38.9	8.5	.6							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 660

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	2.4	1.2									7.7	5.5	4.0
020-040	3.1	5.3	1.8	.2								10.4	6.5	6.0
050-070	2.7	1.7	.4									4.8	4.8	4.0
(E) 080-100	2.9	2.0	.1									5.1	4.5	4.0
110-130	4.0	4.0	.4									8.4	5.0	5.0
140-160	5.7	9.5	3.3									18.5	6.4	6.0
(S) 170-190	3.0	2.9	1.0	.1								7.0	5.7	6.0
200-220	.2	.3										.5	4.6	5.0
230-250	.1											.1	2.0	2.0
(W) 260-280	.4											.4	2.0	2.0
290-310	.5	.1										.6	2.3	2.0
320-340	3.4	.5										4.0	3.5	3.0
VARIABLE														
CALM	////////////////////											32.4	////////	
TOTALS	30.2	28.7	8.2	.3								100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 MAR 90  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	6.0	2.2	.5	.1								8.8	4.4	4.0	
020-040	2.9	5.3	2.7	.3								11.2	7.1	7.0	
050-070	2.2	2.5	.3	.1								5.1	5.3	5.0	
(E) 080-100	2.3	1.4										3.7	3.9	4.0	
110-130	2.7	2.0	.1									4.8	4.7	4.0	
140-160	4.8	4.6	1.4									10.9	5.7	5.0	
(S) 170-190	2.8	3.9	.9									7.5	5.9	6.0	
200-220	.2	.3										.5	5.2	6.0	
230-250	.4											.4	3.5	4.0	
(W) 260-280	.1	.1										.2	4.5	4.5	
290-310	.8		.2									1.0	3.8	2.0	
320-340	2.6	1.4	.1									4.1	3.8	2.0	
VARIABLE															
CALM	////////////////////////////////////											41.8	////////////////////////////////		
TOTALS	27.8	23.7	6.2	.5								100.0	3.1	5.0	
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	2.8	1.8	.6	.1							10.8	6.1	4.5
020-040	3.2	5.1	3.0	.3								11.6	7.1	6.0
050-070	2.7	2.3	.8									5.7	5.6	5.0
(E) 080-100	3.3	1.0										4.3	3.8	4.0
110-130	2.8	1.8	.2									4.8	4.4	4.0
140-160	4.0	4.1	1.6									9.7	5.9	5.5
(S) 170-190	3.1	2.8	.8									6.7	5.3	5.0
200-220	.4	.3										.8	3.9	4.0
230-250	.5	.1										.6	2.7	2.5
(W) 260-280	.8	.2										1.0	2.6	1.0
290-310	.5											.5	1.6	2.0
320-340	4.7	.9	.2									5.8	3.4	2.5
VARIABLE														
CALM	////////////////////											37.7	////////	
TOTALS	31.4	21.4	8.4	.9	.1							100.0	3.4	4.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.4	2.0	1.4								6.9	9.9	9.5
020-040	1.4	5.7	3.2	.9	.1							11.3	8.4	8.0
050-070	3.8	4.4	1.1	.2								9.5	5.8	5.5
(E) 080-100	4.1	5.5	.2									9.8	4.9	5.0
110-130	4.1	4.5	.3									8.9	5.3	5.0
140-160	3.1	7.2	1.4									11.7	6.1	6.0
(S) 170-190	3.5	7.3	5.7									16.6	7.5	8.0
200-220	2.6	2.7	.3									5.6	5.4	5.0
230-250	1.5	1.0										2.5	4.7	4.0
(W) 260-280	.9	.9										1.7	4.3	4.5
290-310	.8	.2										1.0	3.8	4.0
320-340	.8	.4	.4									1.6	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											13.0	////////////////////////////////	
TOTALS	27.7	42.2	14.6	2.5	.1							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	2.5	2.6	1.1								6.8	9.8	10.0
020-040	1.7	5.2	2.6	.8								10.2	7.8	8.0
050-070	2.6	4.4	1.0									8.0	5.8	6.0
(E) 080-100	3.8	5.8	.4									10.0	5.3	5.0
110-130	4.0	5.9	.3									10.2	5.1	5.0
140-160	4.2	8.7	3.4	.2								16.6	7.0	6.0
(S) 170-190	4.0	7.6	5.9									17.5	7.4	8.0
200-220	2.8	2.2	.5									5.5	5.2	4.0
230-250	2.8	1.3										4.1	4.0	4.0
(W) 260-280	.8	.5										1.3	4.1	4.0
290-310	.3	.2										.5	4.0	4.0
320-340	.6	.6	.5									1.8	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											7.5	////////////////////////////////	
TOTALS	28.2	44.9	17.2	2.1								100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	2.7	3.2	.5								7.2	9.5	10.0
020-040	1.9	3.9	3.2									9.0	7.7	8.0
050-070	4.1	4.2	.8									9.0	5.3	5.0
(E) 080-100	4.2	4.8	.5									9.6	5.2	5.0
110-130	3.7	6.6	1.3	.1								11.6	5.9	6.0
140-160	5.2	11.9	5.1	.2								22.4	7.0	7.0
(S) 170-190	4.8	6.9	1.7	.2								13.7	6.0	6.0
200-220	2.7	1.3	.1									4.1	4.4	4.0
230-250	1.6	.9										2.5	4.0	4.0
(W) 260-280	.9	.2										1.1	3.7	4.0
290-310		.1										.1	6.0	6.0
320-340	.4	.8	.5	.2								1.9	8.2	7.5
VARIABLE														
CALM	////////////////////////////////////											7.8	////////////////////////////////	
TOTALS	30.3	44.3	16.4	1.2								100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.8	1.4	.1								5.9	6.9	6.0
020-040	2.9	4.9	1.6									9.5	6.4	6.0
050-070	3.7	2.7	.5									6.9	4.9	4.0
(E) 080-100	4.6	5.7	.5									10.9	5.2	5.0
110-130	7.8	7.7	1.9									17.5	5.5	5.0
140-160	4.9	9.7	5.8	.4								20.9	7.4	7.0
(S) 170-190	4.9	1.0	.1									6.0	3.6	3.0
200-220	.9	.1										1.0	2.9	3.0
230-250		.1										.1	6.0	6.0
(W) 260-280			.1									.1	12.0	12.0
290-310	.1											.1	4.0	4.0
320-340	.9	.5										1.4	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											19.8	////////////////////////////////	
TOTALS	32.3	35.2	11.9	.5								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.2	1.1	.2								6.7	6.0	5.0
020-040	2.9	4.7	1.9									9.6	6.6	6.0
050-070	2.8	2.6	.3									5.7	5.2	5.0
(E) 080-100	2.8	4.2	.3									7.3	5.6	6.0
110-130	3.8	7.5	1.0	.1								12.4	6.1	6.0
140-160	2.6	14.5	7.4	.3	.1							24.9	8.1	8.0
(S) 170-190	4.0	1.4	.4									5.8	4.4	4.0
200-220	.3	.1										.4	3.5	2.0
230-250	.1	.1										.2	3.5	3.5
(W) 260-280	.2											.2	3.5	3.5
290-310	.5											.5	3.0	3.0
320-340	1.5	.9	.2									2.6	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											23.7	////////////////////////////////	
TOTALS	24.7	38.2	12.6	.6	.1							100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.9	2.5	1.7	.5	.0							7.6	7.1	6.0
020-040	2.5	5.0	2.5	.3	.0							10.3	7.2	7.0
050-070	3.1	3.1	.6	.0								6.8	5.4	5.0
(E) 080-100	3.5	3.8	.3									7.6	5.0	5.0
110-130	4.1	5.0	.7	.0								9.8	5.4	5.0
140-160	4.3	8.8	3.7	.1	.0							16.9	6.9	6.0
(S) 170-190	3.8	4.2	2.1	.0								10.1	6.2	6.0
200-220	1.3	.9	.1									2.3	4.9	4.0
230-250	.9	.4										1.3	4.1	4.0
(W) 260-280	.5	.2	.0									.8	3.8	4.0
290-310	.4	.1	.0									.6	3.3	2.0
320-340	1.9	.8	.3	.0								2.9	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////										23.0	////////////////////////////////		
TOTALS	29.2	34.8	12.0	.9								100.0	4.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.3	2.8	1.1	.3							5.5	7.5	8.0
020-040	3.2	5.4	2.2								10.8	6.4	6.0
050-070	3.9	2.9	.3								7.1	4.7	4.0
(E) 080-100	4.4	3.7	.1								8.2	4.5	4.0
110-130	4.5	5.9	.3								10.8	5.1	5.0
140-160	6.4	12.0	3.0								21.3	6.3	6.0
(S) 170-190	4.3	6.1	1.4								11.9	6.0	6.0
200-220	.6	1.1									1.7	5.5	6.0
230-250	.6	.3									.9	4.4	4.0
(W) 260-280	.3	.5									.8	4.8	5.0
290-310	.2										.2	3.0	3.0
320-340	.5		.1								.6	4.2	3.0
VAR:ABLE													
CALM	////////////////////////////////////										20.2	////////////////////////////////	
TOTALS	30.2	40.7	8.5	.3							100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 976

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	4.8	2.8	.8								13.1	6.9	6.0
020-040	2.8	3.9	2.9	.4	.1							10.1	7.5	6.0
050-070	1.7	2.6	.4	.1								4.8	6.1	6.0
(E) 080-100	1.3	.6										1.9	3.5	3.0
110-130	1.6	2.0										3.6	5.3	5.5
140-160	2.4	5.9	3.3	.1								11.8	7.4	8.0
(S) 170-190	2.1	2.8	.9	.1								5.9	6.5	6.0
200-220	1.2	.2										1.4	2.7	2.0
230-250	.1	.1	.1									.3	5.7	5.0
(W) 260-280	.2	.1										.3	4.0	2.0
290-310	.8	.3	.1									1.2	4.6	3.0
320-340	4.8	1.4	.4			.1						6.8	4.4	3.0
VARIABLE														
CALM	////////////////////////////////////											38.8	////////	
TOTALS	23.8	24.7	10.9	1.5	.1	.1						100.0	3.9	6.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.9	4.0	3.2	.6								14.7	6.4	5.0
020-040	4.0	3.0	2.4	.6								10.0	7.2	7.5
050-070	2.7	1.8	.4	.1								5.0	5.2	4.0
(E) 080-100	1.7	1.2	.1									3.0	4.3	4.0
110-130	1.4	.4										1.9	4.1	4.0
140-160	2.8	5.9	1.3									10.0	6.3	6.0
(S) 170-190	3.2	2.7	.7									6.6	5.4	5.0
200-220	1.0	.2										1.2	3.9	4.0
230-250	.4	.2										.7	3.8	4.0
(W) 260-280	.6											.6	2.2	2.0
290-310	1.2	.3										1.6	3.1	2.0
320-340	4.4	1.1	.6			.1						6.2	4.4	3.0
VARIABLE														
CALM	////////////////////////////////////											38.7	////////////////////////////////	////////////////////////////////
TOTALS	30.3	20.8	8.7	1.3		.1						100.0	3.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	6.6	3.4	3.6	.7								14.2	6.7	5.0
020-040	3.7	3.8	2.1	.4								10.0	6.8	6.0
050-070	2.6	2.1	.4									5.1	5.0	4.5
(E) 080-100	2.2	.8										3.0	3.8	4.0
110-130	1.1	1.4										2.6	4.4	5.0
140-160	2.9	3.3	1.4									7.7	5.9	6.0
(S) 170-190	2.4	3.1	.6									6.1	5.4	5.0
200-220	.8	.6										1.3	3.9	3.5
230-250	1.4											1.4	2.7	3.0
(W) 260-280	.4	.1										.6	3.4	4.0
290-310	.7	.2										.9	2.9	2.0
320-340	5.7	1.7	.6									7.9	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											39.2	////////////////////////////////	
TOTALS	30.5	20.5	8.7	1.1								100.0	3.3	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	3.8	4.4	1.1	.3							11.9	9.2	9.0
020-040	2.1	6.7	3.1	.2	.1							12.2	7.5	7.0
050-070	3.0	4.1	1.1	.1								8.3	6.1	6.0
(E) 080-100	2.7	2.4	.3									5.4	4.9	5.0
110-130	2.3	2.1	.1									4.6	4.9	4.0
140-160	2.6	5.1	1.7									9.3	6.4	6.0
(S) 170-190	4.6	5.0	3.7	.1								13.3	6.9	7.0
200-220	2.7	1.9	.4									5.0	4.9	4.0
230-250	2.0	1.6	.2									3.8	4.8	4.0
(W) 260-280	1.7	1.0	.2									2.9	5.0	4.0
290-310	1.7	.6		.1								2.3	4.3	4.0
320-340	1.6	1.3	1.2	.7								4.8	8.4	8.0
VARIABLE														
CALM	////////////////////											16.1	////////	
TOTALS	29.2	35.6	16.4	2.3	.4							100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.2	3.7	4.4	1.0								11.3	8.8	9.0
020-040	1.1	3.4	3.1	.8								8.4	9.2	9.0
050-070	2.1	2.9	.4	.1								5.6	6.0	6.0
(E) 080-100	2.4	3.0	.2									5.7	5.3	6.0
110-130	3.4	2.3	.8									6.6	5.2	4.0
140-160	3.3	4.7	2.1	.2								10.3	6.8	6.0
(S) 170-190	3.9	8.4	6.8	.3								19.4	7.8	8.0
200-220	3.6	5.4	.4									9.4	5.4	6.0
230-250	2.8	2.1	.1									5.0	4.6	4.0
(W) 260-280	1.8	.9	.4									3.1	4.8	4.0
290-310	.9	1.0	.9	.2								3.0	7.6	6.0
320-340	.4	1.0	1.4	1.4	.3							4.7	12.1	12.0
VARIABLE														
CALM	////////////////////////////////////										7.4	////////////////////////////////		
TOTALS	27.9	38.8	21.0	4.0	.3							100.0	6.7	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.9	4.2	3.9	1.3	.2							10.6	9.8	10.0
020-040	2.7	4.3	2.7	.3	.2	.1						10.3	7.8	7.0
050-070	2.6	3.4	.9	.2								7.1	6.1	6.0
(E) 080-100	2.4	2.3	.3									5.1	4.9	5.0
110-130	1.8	3.3	.7									5.8	6.3	6.0
140-160	3.3	7.0	4.0	.1								14.4	7.3	7.0
(S) 170-190	6.4	7.9	2.6	.2								17.1	6.0	6.0
200-220	4.3	2.9	.2									7.4	4.3	4.0
230-250	1.8	1.7	.1									3.6	4.6	4.5
(W) 260-280	1.2	.9	.2		.1							2.4	5.6	4.5
290-310	.6	.2	.7	.1	.2							1.8	9.7	11.0
320-340	1.2	1.4	1.3	.4	.1							4.6	8.5	8.0
VARIABLE														
CALM	////////////////////////////////////										9.8	////////////////////////////////		
TOTALS	29.2	39.5	17.6	2.6	.8	.1						100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.8	4.9	2.7	.2	.2							11.8	6.9	6.0
020-040	2.9	3.3	1.7	.8	.4							9.1	7.9	6.5
050-070	2.9	3.0	.6	.2	.1							6.8	6.0	5.0
(E) 080-100	3.0	3.4	.2									6.7	4.9	5.0
110-130	2.7	5.8	1.6									10.0	6.5	6.0
140-160	4.3	5.1	3.6									13.0	6.8	6.0
(S) 170-190	5.0	.6	.1									5.7	3.1	3.0
200-220	.4	.1										.6	2.6	2.0
230-250	.6											.6	1.8	1.0
(W) 260-280		.1										.1	5.0	5.0
290-310	.4	.1	.1									.7	5.2	4.0
320-340	2.3	1.3	.4	.4								4.6	6.3	4.0
VARIABLE														
CALM	////////////////////////////////////											30.6	////////////////////////////////	
TOTALS	28.3	27.7	11.0	1.6	.7							100.0	4.3	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	4.7	1.8	.7	.1							13.3	6.1	5.0
020-040	1.7	4.3	2.0	.9	.2							9.1	8.3	7.5
050-070	2.1	3.3	.3									5.8	5.8	6.0
(E) 080-100	1.9	1.7	.2									3.8	5.2	4.5
110-130	2.3	2.6	.9									5.8	5.9	5.0
140-160	3.2	8.6	4.6	.4								16.8	7.8	8.0
(S) 170-190	3.8	1.3	.2									5.3	4.1	4.0
200-220	.7											.7	2.5	2.5
230-250	.2											.2	3.0	3.0
(W) 260-280	.2	.1										.3	4.3	4.0
290-310	.7	.3	.1									1.1	4.4	3.5
320-340	3.8	1.6	.3	.2								5.9	4.7	4.0
VARIABLE														
CALM	////////////////////											31.9	////////	
TOTALS	26.7	28.5	10.4	2.2	.3							100.0	4.3	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: ALL

DIRECTION ; (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	4.2	3.3	.8	.1							12.6	7.5	7.0
020-040	2.6	4.1	2.5	.6	.1	.0						9.9	7.7	7.0
050-070	2.4	2.9	.6	.1	.0							6.1	5.8	5.0
(E) 080-100	2.2	1.9	.2									4.3	4.8	4.0
110-130	2.1	2.5	.5									5.1	5.6	5.0
140-160	3.1	5.7	2.8	.1								11.7	7.0	7.0
(S) 170-190	3.9	4.0	1.9	.1								9.9	6.2	6.0
200-220	1.8	1.4	.1									3.4	4.6	4.0
230-250	1.2	.7	.1									1.9	4.3	4.0
(W) 260-280	.8	.4	.1		.0							1.3	4.8	4.0
290-310	.9	.4	.2	.1	.0							1.6	5.7	4.0
320-340	3.0	1.4	.8	.4	.1	.0						5.7	6.2	4.0
VARIABLE														
CALM	////////////////////											26.6	////////	
TOTALS	28.2	29.6	13.1	2.2	.3							100.0	4.7	6.0
TOTAL NUMBER OF OBSERVATIONS 7200														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N) 350-010		1.0	1.7	1.0		.1							3.7	7.0	6.0
020-040		3.0	3.3	1.6	.3	.1							8.3	6.8	6.0
050-070		4.6	4.4	.8	.2								9.9	5.5	5.0
(E) 080-100		4.4	3.9	.3									8.6	4.7	4.0
110-130		2.0	2.8	.3									5.1	5.2	5.0
140-160		4.9	10.0	4.5	.3								19.8	7.1	7.0
(S) 170-190		4.8	5.7	1.7	.1								12.2	6.0	6.0
200-220		1.8	1.4										3.2	4.4	4.0
230-250		1.1	.5	.1									1.7	4.4	4.0
(W) 260-280		1.2	.3	.2									1.7	4.7	4.0
290-310		1.2	.4										1.7	3.7	3.0
320-340		1.2	.2	.1	.1		.1						1.7	5.3	2.0
VARIABLE															
CALM		////////////////////////////////////											22.5	////////	
TOTALS		31.2	34.6	10.6	1.0	.2	.1						100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 1148

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.2	4.3	4.6	1.3	.1							17.5	7.2	6.0
020-040	3.8	4.7	3.3	1.0	.1							12.9	7.7	8.0
050-070	2.6	2.8	.6		.2							6.2	5.9	5.0
(E) 080-100	1.9	1.9	.1									4.0	4.9	5.0
110-130	1.3	1.5	.9									3.7	6.9	6.5
140-160	1.6	2.6	1.7									5.9	7.2	8.0
(S) 170-190	1.0	1.1	.3									2.4	5.6	5.5
200-220	.4											.4	3.3	3.0
230-250														
(W) 260-280	.5	.1										.6	3.5	2.5
290-310	.8	.1										.9	2.9	2.5
320-340	5.1	1.2	.5	.3								7.1	4.5	3.0
VARIABLE														
CALM	////////////////////////////////////											38.4	////////////////////////////////	
TOTALS	26.2	20.3	12.0	2.6	.4							100.0	4.0	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.6	7.0	4.1	1.0	.3							21.0	6.8	6.0
020-040	3.9	4.7	5.1	.1								13.8	7.7	8.0
050-070	1.7	3.1	.6	.1	.2							5.8	6.8	6.0
(E) 080-100	1.7	.6	.2									2.6	4.4	4.0
110-130	1.6	1.3	.3	.1								3.3	5.9	5.0
140-160	1.2	2.0	.6	.2								4.1	6.8	6.5
(S) 170-190	.6	1.7	.8									3.1	7.4	7.0
200-220	.6											.6	2.3	2.0
230-250	.5	.1										.6	3.8	4.0
(W) 260-280	.6	.2										.9	3.6	4.0
290-310	1.3	.4										1.7	3.8	4.0
320-340	5.3	1.1	.3									6.7	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											35.8	////////	
TOTALS	27.6	22.2	12.0	1.5	.5							100.0	4.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.4	6.8	3.5	.8	.1							16.6	7.0	6.0
020-040		3.7	7.2	5.9	1.0	.2							18.0	8.3	8.0
050-070		3.0	3.4	.5		.1							7.1	5.8	5.0
(E) 080-100		2.2	1.0	.1									3.2	4.0	3.5
110-130		.8	.6	.3									1.7	5.6	5.0
140-160		1.4	2.5	.5									4.4	6.2	6.0
(S) 170-190		2.6	1.0	.3									3.9	4.8	4.0
200-220		.5		.1									.6	5.2	4.0
230-250		.2	.1										.3	4.3	4.0
(W) 260-280		.6	.2										.9	3.0	3.0
290-310		1.3	.3										1.6	3.6	3.0
320-340		5.9	1.2	.1	.1								7.3	3.7	3.0
VARIABLE															
CALM		////////////////////////////////////											34.4	////////////////////////////////	
TOTALS		27.6	24.3	11.3	1.9	.4							100.0	4.2	5.5
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	2.6	4.8	5.8	1.7	.3							15.3	9.3	10.0
020-040	4.4	7.4	7.4	1.6								20.9	8.4	8.0
050-070	3.0	3.8	1.2	.1								8.1	6.0	6.0
(E) 080-100	3.3	1.9	.3									5.6	4.5	4.0
110-130	1.2	1.8	.5									3.5	6.0	5.0
140-160	1.4	2.7	1.3	.1								5.5	7.0	7.0
(S) 170-190	1.5	2.4	1.1	.1								5.1	6.3	6.0
200-220	2.6	2.0	.1									4.7	4.8	4.0
230-250	2.6	2.2	.1									4.8	4.8	4.0
(W) 260-280	1.9	1.1		.1								3.1	4.7	4.0
290-310	1.2	1.1	.2		.1							2.6	5.7	5.0
320-340	2.0	1.1	1.1	.2	.1							4.5	6.7	5.5
VARIABLE														
CALM	////////////////////											16.3	////////	
TOTALS	27.7	32.3	19.1	3.9	.5							100.0	5.9	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	4.7	4.8	1.1	.2							13.0	9.0	9.0
020-040	4.1	6.1	5.6	1.7								17.5	8.4	8.0
050-070	2.0	3.9	1.3	.1								7.3	6.6	6.0
(E) 080-100	2.9	2.9	.5									6.3	5.2	5.0
110-130	2.3	1.8	.1	.2								4.4	5.6	4.0
140-160	2.9	2.2	1.5	.5								7.1	6.8	5.5
(S) 170-190	2.7	3.4	1.9									8.1	6.7	7.0
200-220	3.3	5.5	.3									9.1	5.4	5.0
230-250	2.2	3.9	.3									6.3	5.7	6.0
(W) 260-280	2.2	2.4	.5	.2								5.3	5.9	5.0
290-310	.9	1.4	.5									2.8	6.8	7.5
320-340	1.6	.8	1.5	.5	.2							4.6	9.0	9.0
VARIABLE														
CALM	////////////////////											8.1	////////	
TOTALS	29.3	39.0	18.8	4.3	.4							100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54				GE 65
(N) 350-010	1.8	3.5	5.7	1.5	.1							12.7	9.9	10.0
020-040	3.0	4.4	4.7	1.3	.1							13.5	8.7	8.5
050-070	3.5	4.7	1.1									9.4	5.8	6.0
(E) 080-100	2.9	3.4	.3	.1								6.8	5.3	5.0
110-130	2.3	3.2	.8	.2								6.5	6.0	5.0
140-160	3.0	2.8	1.6	.2								7.6	6.4	6.0
(S) 170-190	5.3	3.7	1.0	.1								10.0	5.4	4.0
200-220	4.3	3.3	.1									7.7	4.5	4.0
230-250	3.5	2.5	.1									6.1	4.5	4.0
(W) 260-280	1.7	1.5	.1									3.3	4.8	4.0
290-310	.6	1.0	.5	.2								2.4	8.3	8.0
320-340	1.0	1.4	1.2	.4	.1							4.1	8.8	8.0
VARIABLE														
CALM	////////////////////////////////////										9.9	////////////////////////////////		
TOTALS	32.9	35.4	17.2	4.0	.3							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	3.2	3.5	2.4								12.2	9.1	9.0
020-040	5.1	5.5	4.7	.9	.3							16.5	7.8	8.0
050-070	3.3	2.7	.4	.1								6.6	5.2	4.0
(E) 080-100	4.6	3.0	.4									8.1	4.9	4.0
110-130	2.5	2.5	1.3									6.2	6.2	6.0
140-160	2.9	1.6	1.3	.2								6.0	6.5	5.0
(S) 170-190	3.7	.2										3.9	2.9	3.0
200-220	1.0	.1										1.1	3.1	3.0
230-250	1.3	.1										1.4	2.7	2.0
(W) 260-280	.4											.4	2.5	2.5
290-310	.3	.2										.5	3.8	4.0
320-340	1.9	.5	.3	.1	.2							3.1	6.3	4.0
VARIABLE														
CALM	////////////////////////////////////											34.1	////////	
TOTALS	30.0	19.6	11.9	3.7	.5							100.0	4.3	5.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.7	3.1	3.4	1.9	.1							13.3	8.3	8.0
020-040	3.2	6.2	4.7	1.2	.2							15.6	8.4	8.0
050-070	1.8	3.2	.5	.1								5.7	6.0	6.0
(E) 080-100	2.7	2.5	.5									5.7	5.5	5.0
110-130	1.8	2.7	1.6	.1								6.2	6.9	7.0
140-160	1.0	2.8	1.9	.1								5.8	8.3	8.0
(S) 170-190	1.7	.6	.3									2.7	4.7	4.0
200-220	.2											.2	1.5	1.5
230-250	.6	.1										.8	2.6	2.0
(W) 260-280	.2	.1										.3	4.7	4.0
290-310	1.0	.2										1.2	2.8	2.0
320-340	4.0	1.0	.3	.2	.1							5.6	4.5	3.0
VARIABLE														
CALM	////////////////////////////////////										36.9	////////////////////////////////		
TOTALS	22.9	22.5	13.2	3.6	.4							100.0	4.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		4.4	4.7	4.4	1.5	.2							15.2	8.1	8.0
020-040		3.9	5.8	5.2	1.1	.1							16.1	8.2	8.0
050-070		2.6	3.5	.8	.1	.1							7.0	6.0	6.0
(E) 080-100		2.8	2.2	.3	.0								5.3	4.9	4.0
110-130		1.7	1.9	.7	.1								4.4	6.2	6.0
140-160		1.9	2.4	1.3	.2								5.8	6.9	7.0
(S) 170-190		2.4	1.8	.7	.0								4.9	5.6	5.0
200-220		1.6	1.4	.1									3.1	4.8	4.0
230-250		1.4	1.1	.1									2.6	4.7	4.0
(W) 260-280		1.0	.7	.1	.0								1.9	4.9	4.0
290-310		.9	.6	.2	.0	.0							1.7	5.4	4.0
320-340		3.3	1.0	.7	.2	.1							5.4	5.5	4.0
VARIABLE															
CALM		////////////////////////////////////										26.7	////////////////////////////////		
TOTALS		27.9	27.1	14.6	3.2	.5							100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 7440															

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	4.4	2.9	.9								11.0	7.8	8.0
020-040	5.4	7.1	4.3	.6								17.4	7.1	7.0
050-070	2.8	4.1	.6	.2	.4							8.0	6.5	6.0
(E) 080-100	3.9	2.8	.7									7.3	5.0	4.0
110-130	2.7	3.7	2.1	.2								8.6	7.0	7.0
140-160	2.8	5.8	2.6	.2								11.4	7.3	8.0
(S) 170-190	2.5	3.2	1.6	.1								7.3	6.6	6.0
200-220	1.6	.4	.2									2.1	4.4	4.0
230-250	.8	.8										1.6	4.6	4.5
(W) 260-280	.4	.6										.9	5.1	5.0
290-310	.5	.5			.1							1.0	6.0	5.0
320-340	.9	.4	.3									1.6	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											21.6	////////////////////////////////	
TOTALS	27.1	33.8	15.3	2.2	.5							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 1268

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL HOURS: ALL

IND SPEED IN KNOTS														
DIRECTION {	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES) }												%	WIND	WIND
(N) 350-010	2.8	2.4	2.0	.6	.1	.0						7.9	7.6	7.0
020-040	2.3	3.7	2.6	.5	.1	.0						9.3	7.9	8.0
050-070	2.3	3.1	1.1	.1	.0							6.6	6.3	6.0
(E) 080-100	2.8	3.1	.6	.0	.0							6.5	5.5	5.0
110-130	3.4	5.1	1.9	.2	.0							10.5	6.5	6.0
140-160	4.6	9.4	4.9	.5	.0							19.3	7.3	7.0
(S) 170-190	4.3	5.0	1.7	.1	.0	.0						11.1	6.1	6.0
200-220	1.5	1.2	.2	.0								2.8	5.0	4.0
230-250	.8	.6	.1	.0	.0							1.5	4.7	4.0
(W) 260-280	.6	.4	.1	.0	.0							1.1	5.2	4.0
290-310	.6	.3	.2	.0	.0	.0						1.1	5.7	4.0
320-340	1.9	.8	.5	.2	.0	.0						3.3	5.7	4.0
VARIABLE														
CALM	////////////////////////////////////											18.8	////////////////////////////////	
TOTALS	27.9	35.1	15.9	2.2	.2							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS: 87641

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.2	1.7	1.3	.3	.1	.0					4.6	7.9	8.0
020-040	2.4	4.1	3.0	.4	.1						10.1	7.8	8.0
050-070	2.8	4.1	1.5	.1	.0						8.5	6.5	6.0
(E) 080-100	3.3	3.6	.6	.1	.0						7.6	5.5	5.0
110-130	3.8	6.2	1.5	.0	.0						11.5	6.1	6.0
140-160	6.0	12.9	4.2	.3	.1						23.4	6.8	6.0
(S) 170-190	5.6	6.8	1.4	.1	.0						13.8	5.7	5.0
200-220	1.2	.7	.0	.0							2.0	4.4	4.0
230-250	.7	.3	.0								1.0	4.1	4.0
(W) 260-280	.5	.3	.0								.9	4.3	4.0
290-310	.4	.2	.0	.0	.0						.6	4.6	4.0
320-340	.5	.2	.1	.0	.0	.0					.9	5.7	4.0
VARIABLE													
CALM	////////////////////										15.1	////////	
TOTALS	28.4	41.1	13.6	1.3	.3						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS: 12397



PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.



NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR  
1/8 THRU 4/8.....SCATTERED  
5/8 THRU 7/8.....BROKEN  
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.4	49.4	49.9	50.4	50.6	50.6	50.6	50.8	50.8	50.8	50.9	50.9	51.0	51.0	51.0	51.1
GE 20000	55.1	55.1	55.6	56.1	56.3	56.3	56.3	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.8
GE 18000	55.3	55.3	55.8	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
GE 16000	55.3	55.3	55.8	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
GE 14000	55.3	55.3	55.8	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
GE 12000	55.6	55.6	56.1	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.3
GE 10000	56.7	56.7	57.2	57.8	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.6
GE 9000	56.9	56.9	57.4	58.1	58.3	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.8
GE 8000	57.5	57.5	58.1	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.4	59.4	59.4	59.5
GE 7000	58.2	58.3	58.8	59.5	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.2
GE 6000	59.4	59.6	60.1	60.8	61.0	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.5
GE 5000	61.7	61.9	62.5	63.1	63.3	63.4	63.4	63.5	63.5	63.5	63.7	63.7	63.8	63.8	63.8	63.9
GE 4500	63.2	63.5	64.1	64.7	64.9	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.5
GE 4000	64.3	64.6	65.2	65.8	66.0	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.5	66.5	66.5	66.6
GE 3500	65.5	65.8	66.3	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.7
GE 3000	67.8	68.2	68.7	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.1
GE 2500	71.8	72.2	72.7	73.3	73.5	73.7	73.7	73.8	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.1
GE 2000	73.9	74.2	74.7	75.9	76.1	76.2	76.2	76.3	76.3	76.3	76.5	76.5	76.6	76.6	76.6	76.7
GE 1800	74.9	75.3	75.8	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.7	77.7	77.7	77.8
GE 1500	77.6	78.1	79.1	80.8	81.0	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.5
GE 1200	78.8	79.4	80.5	82.5	82.8	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.3
GE 1000	80.3	81.0	82.4	84.5	84.8	84.9	85.1	85.2	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.5
GE 900	81.2	81.8	83.2	85.5	85.9	86.0	86.1	86.2	86.2	86.2	86.3	86.3	86.5	86.5	86.5	86.6
GE 800	82.2	82.9	84.5	87.0	87.4	87.5	87.8	88.0	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.3
GE 700	82.4	83.8	85.9	88.8	89.4	89.5	89.8	89.9	89.9	89.9	90.2	90.2	90.3	90.3	90.3	90.4
GE 600	82.8	84.8	87.2	90.1	91.2	91.3	91.7	91.8	91.8	91.8	92.2	92.2	92.4	92.4	92.4	92.5
GE 500	82.9	85.1	87.4	90.3	91.6	91.8	92.5	92.8	93.0	93.0	93.3	93.3	93.5	93.5	93.5	93.7
GE 400	83.0	85.2	87.5	90.4	92.0	92.5	93.1	93.9	94.3	94.4	94.7	94.7	94.9	94.9	94.9	95.1
GE 300	83.2	85.4	87.7	90.6	92.3	92.7	93.3	94.1	94.6	94.9	95.6	95.6	96.0	96.0	96.2	96.3
GE 200	83.2	85.4	87.7	90.6	92.3	92.7	93.3	94.1	94.9	95.3	96.5	96.6	97.1	97.3	97.6	97.8
GE 100	83.2	85.4	87.7	90.6	92.3	92.7	93.3	94.1	94.9	95.3	96.5	96.6	97.2	97.4	98.2	99.1
GE 000	83.2	85.4	87.7	90.6	92.3	92.7	93.3	94.1	94.9	95.3	96.5	96.6	97.2	97.4	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.6	46.2	46.5	46.7	46.9	46.9	47.1	47.2	47.2	47.4	47.4	47.4	47.4	47.5	47.5	47.5
GE 20000	49.0	49.7	50.0	50.2	50.4	50.4	50.6	50.8	50.8	51.0	51.0	51.0	51.0	51.1	51.1	51.1
GE 18000	49.5	50.1	50.4	50.6	50.9	50.9	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.5	51.5	51.5
GE 16000	49.5	50.1	50.4	50.6	50.9	50.9	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.5	51.5	51.5
GE 14000	49.6	50.3	50.8	51.0	51.2	51.2	51.4	51.5	51.5	51.7	51.7	51.7	51.7	51.8	51.8	51.8
GE 12000	50.3	51.1	51.5	51.7	51.9	51.9	52.2	52.3	52.3	52.5	52.5	52.5	52.5	52.6	52.6	52.6
GE 10000	51.0	51.8	52.3	52.5	52.7	52.9	53.1	53.2	53.2	53.4	53.4	53.4	53.4	53.5	53.5	53.5
GE 9000	51.4	52.3	52.7	52.9	53.1	53.3	53.5	53.7	53.7	53.9	53.9	53.9	53.9	54.0	54.0	54.0
GE 8000	51.9	52.8	53.2	53.4	53.7	53.9	54.1	54.2	54.2	54.4	54.4	54.4	54.4	54.5	54.5	54.5
GE 7000	52.6	53.4	53.9	54.1	54.3	54.5	54.7	54.8	54.8	55.1	55.1	55.1	55.1	55.2	55.2	55.2
GE 6000	54.3	55.2	55.6	55.8	56.0	56.2	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.9	56.9	56.9
GE 5000	56.2	57.2	57.6	57.8	58.1	58.3	58.5	58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9
GE 4500	59.2	60.3	60.8	61.0	61.2	61.4	61.6	61.7	61.7	61.9	61.9	61.9	61.9	62.0	62.0	62.0
GE 4000	59.9	61.0	61.4	61.6	61.8	62.0	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7
GE 3500	61.4	62.5	62.9	63.1	63.3	63.5	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.2	64.2	64.2
GE 3000	63.0	64.1	64.5	64.7	65.1	65.3	65.5	65.6	65.6	65.8	65.8	65.8	65.8	65.9	65.9	65.9
GE 2500	66.0	67.1	67.8	68.2	68.5	68.7	68.9	69.0	69.0	69.2	69.2	69.2	69.2	69.4	69.4	69.4
GE 2000	69.1	70.3	71.3	71.8	72.4	72.7	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.3	73.3	73.3
GE 1800	70.1	71.4	72.5	73.2	73.8	74.1	74.4	74.5	74.5	74.7	74.7	74.7	74.8	74.9	74.9	74.9
GE 1500	72.3	73.5	75.1	75.8	76.5	76.8	77.1	77.2	77.2	77.4	77.4	77.5	77.5	77.6	77.6	77.6
GE 1200	74.2	75.6	77.4	78.4	79.0	79.4	79.7	79.8	79.8	80.0	80.0	80.1	80.1	80.2	80.2	80.2
GE 1000	75.5	77.0	79.0	80.6	81.3	81.6	82.0	82.2	82.2	82.4	82.4	82.5	82.5	82.6	82.6	82.6
GE 900	76.5	78.1	80.3	82.0	82.7	83.0	83.4	83.5	83.5	83.8	83.8	83.9	83.9	84.0	84.0	84.0
GE 800	77.3	79.0	81.4	83.2	83.9	84.2	84.7	84.8	84.8	85.1	85.1	85.2	85.2	85.3	85.3	85.3
GE 700	77.7	79.6	81.9	84.1	84.9	85.3	85.9	86.0	86.0	86.2	86.6	86.7	86.7	86.8	86.8	86.8
GE 600	78.0	80.2	82.9	85.7	87.0	87.3	88.4	88.5	88.5	88.8	89.1	89.2	89.2	89.4	89.4	89.4
GE 500	78.0	80.4	83.1	86.1	88.2	88.9	90.1	90.2	90.3	90.8	91.1	91.2	91.2	91.3	91.3	91.3
GE 400	78.3	81.0	83.7	86.8	88.8	89.8	91.1	91.8	91.9	92.4	92.8	92.9	92.9	93.0	93.0	93.0
GE 300	78.3	81.0	83.7	86.8	89.0	90.1	91.6	92.4	92.7	93.2	93.9	94.0	94.0	94.1	94.2	94.2
GE 200	78.3	81.0	83.7	86.8	89.0	90.2	91.7	92.6	92.9	93.5	94.5	94.8	95.6	95.7	96.2	96.3
GE 100	78.3	81.0	83.7	86.8	89.0	90.2	91.7	92.6	93.0	93.7	94.6	94.9	95.9	96.0	97.2	98.6
GE 000	78.3	81.0	83.7	86.8	89.0	90.2	91.7	92.6	93.0	93.7	94.6	94.9	95.9	96.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.4	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.7
GE 20000	46.0	47.1	47.4	47.7	47.7	47.7	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.1	48.2
GE 18000	46.3	47.4	47.7	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.5
GE 16000	46.3	47.4	47.7	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.5
GE 14000	46.6	47.6	48.0	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.7	48.8
GE 12000	47.0	48.1	48.4	48.7	48.8	48.8	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.1	49.2
GE 10000	48.8	50.3	50.6	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.5
GE 9000	49.4	50.9	51.2	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.9	52.0
GE 8000	50.3	51.8	52.2	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.9	53.0
GE 7000	51.2	52.7	53.0	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.8	53.9
GE 6000	52.4	53.9	54.2	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.9	55.2
GE 5000	54.0	55.5	55.8	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.6	56.8
GE 4500	56.3	57.8	58.2	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.9	59.1
GE 4000	57.4	58.9	59.2	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.2
GE 3500	58.7	60.2	60.6	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.6	61.8
GE 3000	60.2	61.7	62.2	62.5	62.8	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.3
GE 2500	63.4	65.1	65.7	66.2	66.6	66.7	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.2
GE 2000	65.6	67.4	68.4	69.0	69.6	69.7	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.4
GE 1800	66.2	68.2	69.2	69.9	70.5	70.8	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.5
GE 1500	68.7	70.9	72.2	73.3	74.0	74.2	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.9
GE 1200	71.2	73.3	74.9	76.2	77.0	77.3	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.8	78.1
GE 1000	72.7	74.8	76.8	78.2	78.9	79.2	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.3
GE 900	73.9	76.2	78.3	79.9	80.8	81.2	81.6	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.3	82.5
GE 800	74.8	77.3	79.6	81.6	82.5	83.1	83.7	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.5
GE 700	75.4	78.0	81.0	83.0	84.1	84.8	85.4	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.5
GE 600	75.4	78.3	81.3	83.7	85.1	85.8	86.6	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.4	87.6
GE 500	75.4	78.5	81.7	84.6	86.5	87.7	88.6	89.0	89.2	89.5	89.6	89.6	89.7	89.7	89.8	90.0
GE 400	75.4	78.5	81.7	84.9	86.9	88.4	89.6	90.4	90.6	91.0	91.2	91.2	91.4	91.4	91.5	91.9
GE 300	75.4	78.5	81.7	84.9	86.9	88.6	90.0	91.1	91.8	92.2	92.6	92.7	93.3	93.3	93.4	93.9
GE 200	75.4	78.5	81.7	84.9	87.0	88.8	90.2	91.4	92.2	92.5	93.3	93.5	94.6	94.6	95.1	95.8
GE 100	75.4	78.5	81.7	84.9	87.0	88.8	90.2	91.4	92.2	92.6	93.4	93.7	94.8	94.9	96.1	98.5
GE 000	75.4	78.5	81.7	84.9	87.0	88.8	90.2	91.4	92.2	92.6	93.4	93.7	94.8	94.9	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.3	41.6	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 20000	47.5	48.0	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 18000	47.8	48.4	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 16000	47.8	48.4	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	48.2	48.7	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 12000	49.4	49.9	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 10000	51.3	51.8	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 9000	51.8	52.4	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	52.8	53.3	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 7000	53.5	54.1	54.4	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 6000	55.3	55.8	56.3	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000	56.5	57.0	57.6	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 4500	58.7	59.2	60.1	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4000	60.8	61.3	62.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 3500	63.2	63.9	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3000	64.0	64.7	65.7	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 2500	66.0	67.0	68.1	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 2000	69.0	70.1	71.4	71.9	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 1800	69.9	71.1	72.4	73.0	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 1500	72.2	73.8	75.4	76.1	76.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 1200	74.3	76.5	78.6	79.8	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 1000	75.9	78.3	80.5	82.0	83.5	83.8	83.9	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 900	76.9	79.2	81.8	83.8	85.4	85.6	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 800	77.1	79.7	82.4	84.5	86.2	86.7	86.9	87.2	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 700	77.3	80.0	83.0	85.6	87.4	88.1	88.4	88.9	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 600	77.4	80.2	83.5	86.5	88.9	89.6	90.2	90.8	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3
GE 500	77.4	80.2	83.7	86.9	89.9	90.5	91.6	92.5	92.6	93.1	93.3	93.3	93.3	93.3	93.3	93.3
GE 400	77.4	80.2	83.8	87.0	90.0	90.6	91.8	93.0	93.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4
GE 300	77.4	80.2	83.8	87.0	90.0	90.6	92.0	93.5	94.1	94.9	95.6	95.8	96.1	96.2	96.3	96.5
GE 200	77.4	80.2	83.8	87.0	90.0	90.6	92.0	93.5	94.2	95.2	95.8	96.0	97.0	97.1	97.3	97.7
GE 100	77.4	80.2	83.8	87.0	90.0	90.6	92.0	93.5	94.2	95.2	95.9	96.1	97.2	97.4	98.1	99.5
GE 000	77.4	80.2	83.8	87.0	90.0	90.6	92.0	93.5	94.2	95.2	95.9	96.1	97.2	97.4	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 20000	53.0	53.4	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 18000	53.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 16000	53.2	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 14000	54.4	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	56.0	56.5	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 10000	58.3	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	58.8	59.2	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 8000	59.9	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 7000	60.5	61.1	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 6000	62.5	63.0	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 5000	63.9	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	65.9	66.5	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000	68.2	68.7	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3500	68.9	69.5	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 3000	71.5	72.4	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 2500	74.5	75.5	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 2000	78.2	79.2	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 1800	80.2	81.4	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1500	83.1	84.3	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1200	85.9	87.3	88.4	89.6	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	86.7	88.2	89.5	91.0	91.5	91.9	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 900	87.3	88.9	90.3	92.0	92.9	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 800	87.3	88.9	90.4	92.3	93.3	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8
GE 700	87.3	89.0	90.5	92.6	93.9	94.8	95.4	95.4	95.5	95.5	95.7	95.7	95.8	95.8	95.9	95.9
GE 600	87.6	89.4	91.3	93.5	95.3	96.5	97.0	97.1	97.2	97.3	97.5	97.6	97.7	97.7	97.8	97.8
GE 500	87.6	89.4	91.3	93.5	95.4	96.6	97.1	97.4	97.6	97.8	98.2	98.3	98.4	98.4	98.5	98.5
GE 400	87.6	89.4	91.3	93.5	95.5	96.8	97.3	97.8	98.1	98.5	98.8	98.9	99.0	99.0	99.1	99.1
GE 300	87.6	89.4	91.4	93.7	95.7	97.0	97.6	98.3	98.5	99.1	99.5	99.6	99.7	99.7	99.8	99.8
GE 200	87.6	89.4	91.4	93.7	95.7	97.0	97.6	98.3	98.5	99.2	99.7	99.8	99.9	99.9	100.0	100.0
GE 100	87.6	89.4	91.4	93.7	95.7	97.0	97.6	98.3	98.5	99.2	99.7	99.8	99.9	99.9	100.0	100.0
GE 000	87.6	89.4	91.4	93.7	95.7	97.0	97.6	98.3	98.5	99.2	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	57.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 18000	57.1	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 16000	57.1	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 14000	57.8	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 12000	59.0	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 10000	62.5	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 9000	62.9	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	64.2	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	65.7	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	67.2	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 5000	69.1	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 4500	71.6	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4000	74.3	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3500	76.0	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3000	80.5	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2500	83.1	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2000	86.1	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	86.9	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1500	88.6	90.0	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	89.7	91.3	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1000	90.5	92.6	93.5	94.2	94.6	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 900	91.9	92.9	94.0	94.6	95.1	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	91.0	93.0	94.1	94.8	95.4	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	91.0	93.0	94.2	94.9	95.8	96.7	96.8	97.1	97.2	97.2	97.2	97.2	97.3	97.4	97.4
GE 600	91.1	93.1	94.3	95.1	96.2	97.1	97.3	97.7	97.8	98.0	98.0	98.0	98.1	98.2	98.2
GE 500	91.1	93.1	94.3	95.1	96.2	97.2	97.5	98.1	98.2	98.4	98.4	98.4	98.5	98.7	98.7
GE 400	91.1	93.1	94.3	95.1	96.2	97.2	97.5	98.1	98.2	98.4	98.4	98.4	98.5	98.7	98.7
GE 300	91.1	93.1	94.3	95.1	96.2	97.2	97.6	98.2	98.4	98.9	98.9	99.1	99.4	99.6	99.6
GE 200	91.1	93.1	94.3	95.1	96.2	97.2	97.6	98.2	98.4	98.9	99.2	99.5	99.7	99.9	99.9
GE 100	91.1	93.1	94.3	95.1	96.2	97.2	97.6	98.2	98.4	98.9	99.2	99.5	99.7	99.9	100.0
GE 000	91.1	93.1	94.3	95.1	96.2	97.2	97.6	98.2	98.4	98.9	99.2	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 20000	60.1	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 18000	60.3	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16000	60.4	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 14000	60.5	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	61.8	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	63.5	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	64.2	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000	65.3	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 7000	66.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 6000	67.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 5000	69.6	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4500	72.3	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	75.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3500	78.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3000	81.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	83.5	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 2000	86.6	87.7	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1800	86.9	88.3	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	88.4	90.0	90.4	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	88.7	90.5	91.3	92.0	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	89.1	91.0	91.8	92.6	93.3	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	89.1	91.1	91.9	92.9	93.7	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	89.1	91.1	92.0	93.1	94.0	94.4	94.4	94.5	94.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	89.1	91.1	92.4	93.9	95.5	96.0	96.0	96.1	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	89.1	91.1	92.4	93.9	95.7	96.2	96.2	96.3	96.6	96.7	97.0	97.0	97.0	97.0	97.1	97.1
GE 500	89.1	91.1	92.5	94.0	96.0	96.7	96.9	97.1	97.3	97.4	98.0	98.0	98.1	98.1	98.3	98.3
GE 400	89.1	91.1	92.5	94.0	96.0	96.7	97.1	97.2	97.5	97.6	98.2	98.2	98.3	98.3	98.5	98.5
GE 300	89.1	91.1	92.5	94.0	96.0	96.7	97.1	97.3	97.5	98.3	98.8	98.8	99.2	99.2	99.5	99.5
GE 200	89.1	91.1	92.5	94.0	96.0	96.7	97.1	97.3	97.5	98.5	99.1	99.1	99.6	99.6	99.8	99.8
GE 100	89.1	91.1	92.5	94.0	96.0	96.7	97.1	97.3	97.5	98.5	99.1	99.1	99.6	99.6	100.0	100.0
GE 000	89.1	91.1	92.5	94.0	96.0	96.7	97.1	97.3	97.5	98.5	99.1	99.1	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	
NO CEIL	52.5	52.9	53.3	53.3	53.4	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.9	54.0	54.1	54
GE 20000	58.5	59.0	59.5	59.5	59.7	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.2	60.3	60
GE 18000	58.6	59.1	59.6	59.6	59.8	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.3	60.4	60
GE 16000	58.6	59.1	59.6	59.6	59.8	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.3	60.4	60
GE 14000	58.6	59.1	59.6	59.6	59.8	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.3	60.4	60
GE 12000	59.4	59.9	60.3	60.3	60.5	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.1	61.2	61
GE 10000	61.1	61.6	62.0	62.0	62.3	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.7	62.8	62.9	62
GE 9000	61.4	61.9	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.1	63.2	63
GE 8000	61.7	62.3	62.7	62.7	62.9	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.4	63.5	63
GE 7000	62.6	63.1	63.5	63.5	63.8	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.3	64.4	64
GE 6000	63.3	63.9	64.3	64.3	64.5	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.9	65.1	65.2	65
GE 5000	65.5	66.0	66.5	66.5	66.7	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.2	67.3	67
GE 4500	67.4	68.0	68.4	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.1	69.2	69
GE 4000	69.4	69.9	70.3	70.3	70.5	70.8	70.8	70.8	70.8	70.9	70.9	70.9	71.0	71.1	71.2	71
GE 3500	71.1	71.6	72.0	72.0	72.3	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.7	72.8	72.9	72
GE 3000	74.6	75.2	75.6	75.6	75.8	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.2	76.3	76.5	76
GE 2500	78.3	78.9	79.6	79.8	80.1	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.5	80.6	80.8	80
GE 2000	80.4	81.1	81.9	82.5	82.8	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.2	83.3	83.4	83
GE 1800	80.6	81.4	82.3	82.9	83.2	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.7	83.8	83.9	83
GE 1500	84.1	84.8	85.7	86.3	86.9	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.3	87.4	87.5	87
GE 1200	85.2	86.0	86.9	87.5	88.2	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.7	88.8	88.9	88
GE 1000	86.1	87.0	88.2	89.1	89.9	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.6	90.8	90.9	90
GE 900	86.9	87.8	89.0	90.0	90.8	91.2	91.5	91.6	91.6	91.7	91.7	91.7	91.8	91.9	92.0	92
GE 800	87.1	88.4	89.7	90.6	91.9	92.4	92.8	93.0	93.1	93.3	93.3	93.3	93.4	93.5	93.7	93
GE 700	87.3	88.8	90.3	91.3	93.3	93.8	94.4	94.6	94.7	94.9	94.9	94.9	95.1	95.2	95.3	95
GE 600	87.4	88.9	90.6	91.7	93.9	94.3	94.9	95.2	95.3	95.5	95.5	95.5	95.6	95.7	95.8	95
GE 500	87.5	89.2	91.2	92.5	94.7	95.2	95.8	96.0	96.1	96.3	96.3	96.7	96.8	97.0	97.1	97
GE 400	87.5	89.4	91.4	92.8	95.1	95.6	96.2	96.6	97.1	97.3	97.6	97.6	97.7	98.0	98.1	98
GE 300	87.5	89.4	91.4	92.8	95.1	95.6	96.2	96.6	97.1	97.6	98.0	98.0	98.1	98.3	98.4	98
GE 200	87.5	89.4	91.4	92.8	95.1	95.6	96.2	96.6	97.1	97.6	98.2	98.2	98.7	98.9	99.0	99
GE 100	87.5	89.4	91.4	92.8	95.1	95.6	96.2	96.6	97.1	97.6	98.3	98.3	98.8	99.0	99.4	99
GE 000	87.5	89.4	91.4	92.8	95.1	95.6	96.2	96.6	97.1	97.6	98.3	98.3	98.8	99.0	99.4	10

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.1	47.6	47.8	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.3
GE 20000	53.3	53.8	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7
GE 13000	53.5	54.1	54.4	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	55.0
GE 16000	53.5	54.1	54.4	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	55.0
GE 14000	53.9	54.5	54.8	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3
GE 12000	54.8	55.4	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.3
GE 10000	56.6	57.3	57.6	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.3
GE 9000	57.1	57.8	58.1	58.3	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7
GE 8000	58.0	58.6	59.0	59.2	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.6
GE 7000	58.8	59.5	59.8	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
GE 6000	60.2	60.9	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 5000	62.1	62.8	63.2	63.4	63.5	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.8
GE 4500	64.3	65.1	65.5	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.2
GE 4000	66.2	67.0	67.4	67.6	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.1
GE 3500	67.9	68.7	69.1	69.3	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8
GE 3000	70.4	71.3	71.8	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.5
GE 2500	73.3	74.3	74.9	75.2	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8
GE 2000	76.1	77.2	77.9	78.4	78.7	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
GE 1800	77.0	78.1	78.9	79.5	79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3
GE 1500	79.4	80.7	81.7	82.5	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.4
GE 1200	81.0	82.5	83.8	84.9	85.5	85.7	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.1
GE 1000	82.1	83.7	85.2	86.5	87.2	87.6	87.8	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.2
GE 900	82.8	84.5	86.1	87.6	88.4	88.8	89.1	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.5	89.5
GE 800	83.2	85.0	86.8	88.4	89.3	89.8	90.1	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.7	90.7
GE 700	83.4	85.4	87.4	89.3	90.5	91.1	91.5	91.7	91.8	91.9	92.1	92.1	92.2	92.2	92.3	92.3
GE 600	83.6	85.8	87.9	90.0	91.7	92.3	92.8	93.1	93.1	93.3	93.5	93.5	93.6	93.6	93.7	93.7
GE 500	83.6	85.9	88.1	90.4	92.3	93.1	93.8	94.1	94.3	94.5	94.8	94.8	94.9	95.0	95.1	95.1
GE 400	83.7	86.0	88.3	90.6	92.6	93.4	94.2	94.9	95.1	95.4	95.7	95.8	95.9	96.0	96.0	96.1
GE 300	83.7	86.0	88.3	90.6	92.6	93.6	94.4	95.2	95.6	96.2	96.6	96.7	97.0	97.1	97.2	97.3
GE 200	83.7	86.0	88.3	90.6	92.7	93.6	94.5	95.2	95.7	96.3	97.0	97.2	97.8	97.9	98.1	98.3
GE 100	83.7	86.0	88.3	90.6	92.7	93.6	94.5	95.2	95.7	96.4	97.1	97.2	97.9	98.0	98.6	99.4
GE 000	83.7	86.0	88.3	90.6	92.7	93.6	94.5	95.2	95.7	96.4	97.1	97.2	97.9	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8
NO CEIL	47.9	48.2	48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3
GE 20000	50.5	50.8	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.9
GE 18000	50.5	50.8	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.9
GE 16000	50.5	50.8	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.9
GE 14000	50.8	51.2	51.5	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.2
GE 12000	51.7	52.0	52.5	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.2
GE 10000	52.5	52.8	53.3	53.7	53.8	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.2
GE 9000	52.6	53.0	53.4	53.8	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.4
GE 8000	53.9	54.3	54.7	55.1	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.7
GE 7000	54.5	54.8	55.3	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.2
GE 6000	55.3	55.7	56.1	56.5	56.6	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
GE 5000	57.2	57.6	58.2	58.5	58.6	58.6	58.6	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.1
GE 4500	58.2	58.5	59.1	59.5	59.6	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1
GE 4000	59.7	60.0	60.6	61.0	61.1	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.7
GE 3500	60.6	61.0	61.7	62.1	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.9
GE 3000	62.4	62.8	63.5	63.8	64.1	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.6
GE 2500	64.5	64.9	65.7	66.1	66.3	66.4	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9
GE 2000	66.5	66.9	68.2	68.6	68.8	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.3	69.3	69.4
GE 1800	68.1	68.4	69.7	70.1	70.3	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.9
GE 1500	71.4	72.1	73.5	73.9	74.1	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.7
GE 1200	75.7	77.0	78.4	78.7	79.2	79.3	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.9	79.9	80.0
GE 1000	77.9	79.6	81.2	82.0	82.5	82.7	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.6
GE 900	78.8	80.9	82.5	83.6	84.0	84.3	84.6	84.6	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.1
GE 800	80.3	82.9	84.9	86.5	87.6	88.2	88.7	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.1
GE 700	80.5	83.1	85.8	87.9	89.4	90.2	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.5
GE 600	80.9	83.7	86.5	88.9	90.3	91.7	92.6	92.8	93.1	93.1	93.1	93.1	93.1	93.3	93.3	93.4
GE 500	81.1	83.9	87.0	90.0	92.0	93.5	94.8	95.2	95.6	95.6	95.9	95.9	95.9	96.0	96.0	96.1
GE 400	81.1	83.9	87.0	90.1	92.1	93.7	95.5	95.9	96.3	96.5	96.7	96.7	96.7	96.8	96.8	96.9
GE 300	81.1	84.0	87.1	90.2	92.2	94.0	96.2	97.3	97.8	97.9	98.1	98.1	98.2	98.3	98.3	98.4
GE 200	81.1	84.0	87.1	90.2	92.2	94.0	96.3	97.4	97.9	98.1	98.6	98.6	98.9	99.1	99.1	99.2
GE 100	81.1	84.0	87.1	90.2	92.2	94.0	96.3	97.4	97.9	98.1	98.7	98.7	99.1	99.2	99.3	99.4
GE 000	81.1	84.0	87.1	90.2	92.2	94.0	96.3	97.4	97.9	98.1	98.7	98.7	99.1	99.2	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.9	43.5	43.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 20000	44.3	44.9	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 18000	44.3	44.9	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 16000	44.3	44.9	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 14000	44.6	45.2	45.4	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 12000	45.2	45.7	46.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 10000	46.1	46.7	46.9	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 9000	46.5	47.0	47.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 8000	47.4	48.0	48.2	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 7000	47.9	48.5	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 6000	47.9	48.5	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 5000	48.7	49.3	49.5	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 4500	50.1	50.8	51.1	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 4000	51.7	52.4	52.6	53.3	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 3500	52.5	53.2	53.5	54.3	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 3000	54.5	55.2	55.6	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 2500	56.7	57.4	58.3	59.1	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 2000	59.2	60.0	60.9	61.7	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 1800	60.8	61.7	62.6	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 1500	63.6	64.5	65.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 1200	68.8	70.1	71.7	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 1000	71.2	72.6	74.8	76.0	76.4	76.5	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 900	73.9	75.3	77.7	79.4	80.0	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 800	76.7	78.3	80.7	83.2	84.0	84.5	84.6	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0
GE 700	77.5	79.1	81.7	84.2	85.5	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5
GE 600	78.3	79.8	82.5	85.5	87.5	88.1	88.5	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
GE 500	78.8	80.5	83.5	87.4	90.9	92.3	93.4	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 400	78.8	80.5	83.5	87.5	91.1	92.8	94.1	94.9	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2
GE 300	78.8	80.5	83.5	87.5	91.4	93.0	94.4	96.0	96.5	96.6	96.8	96.8	96.9	96.9	96.9	96.9
GE 200	78.8	80.5	83.5	87.5	91.4	93.0	94.8	96.5	97.0	97.3	97.6	98.0	98.2	98.2	98.2	98.2
GE 100	78.8	80.5	83.5	87.5	91.4	93.0	94.9	96.6	97.2	97.5	98.0	98.3	98.8	98.9	99.2	99.8
GE 000	78.8	80.5	83.5	87.5	91.4	93.0	94.9	96.6	97.2	97.5	98.0	98.3	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATION 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.9	37.7	38.1	38.3	38.5	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.1
GE 20000	39.6	40.4	40.8	41.0	41.3	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8
GE 18000	39.6	40.4	40.8	41.0	41.3	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8
GE 16000	39.6	40.4	40.8	41.0	41.3	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8
GE 14000	39.8	40.7	41.0	41.3	41.5	41.7	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.1
GE 12000	40.1	40.9	41.3	41.5	41.7	42.0	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3
GE 10000	40.8	41.6	42.0	42.2	42.4	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0
GE 9000	40.8	41.6	42.0	42.2	42.4	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0
GE 8000	41.8	42.7	43.0	43.4	43.6	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2
GE 7000	42.3	43.1	43.5	43.9	44.1	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7
GE 6000	43.0	43.9	44.2	44.6	44.8	45.0	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4
GE 5000	45.9	46.8	47.2	47.5	47.8	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3
GE 4500	46.8	47.8	48.1	48.5	48.7	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
GE 4000	49.4	50.4	50.8	51.5	51.9	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5
GE 3500	50.9	51.9	52.4	53.1	53.4	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
GE 3000	53.3	54.5	55.0	55.7	56.0	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
GE 2500	55.8	57.1	57.8	58.5	59.0	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
GE 2000	58.5	60.0	60.9	61.6	62.1	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8
GE 1800	59.2	60.8	61.7	62.4	62.9	63.1	63.2	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.7	63.7
GE 1500	61.3	63.0	64.3	65.0	65.7	66.0	66.2	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.8	66.8
GE 1200	64.9	67.0	68.8	69.6	70.4	70.8	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7
GE 1000	68.1	70.4	72.8	74.1	74.9	75.5	76.0	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6
GE 900	70.3	72.8	75.3	76.6	77.7	78.3	78.7	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.3	79.3
GE 800	72.0	74.6	77.7	79.3	80.5	81.1	81.6	81.9	82.0	82.2	82.3	82.3	82.3	82.3	82.4	82.4
GE 700	72.7	75.4	78.8	80.6	82.2	82.7	83.3	83.9	84.0	84.3	84.4	84.4	84.4	84.4	84.5	84.5
GE 600	73.5	76.8	80.6	82.4	84.4	85.0	85.6	86.2	86.3	86.5	86.6	86.6	86.6	86.6	86.8	86.8
GE 500	73.9	77.3	81.3	83.9	86.4	87.8	88.8	90.3	90.4	90.7	90.8	90.8	90.8	90.8	90.9	90.9
GE 400	73.9	77.4	81.4	84.2	87.5	89.0	90.5	92.6	92.8	93.1	93.4	93.4	93.4	93.4	93.5	93.5
GE 300	73.9	77.4	81.4	84.3	87.8	89.6	91.8	94.6	94.8	95.4	95.6	95.6	95.9	95.9	96.1	96.2
GE 200	73.9	77.4	81.4	84.3	87.8	89.7	92.4	95.2	95.4	96.0	96.5	96.6	97.0	97.4	97.8	98.0
GE 100	73.9	77.4	81.4	84.3	87.8	89.7	92.4	95.3	95.5	96.2	96.8	97.3	97.8	98.2	98.7	99.5
GE 000	73.9	77.4	81.4	84.3	87.8	89.7	92.4	95.3	95.5	96.2	96.8	97.3	97.8	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.2	37.7	37.9	38.1	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 20000	42.9	43.4	43.6	43.7	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 18000	43.5	44.0	44.2	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 16000	43.5	44.0	44.2	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 14000	43.6	44.1	44.3	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 12000	44.0	44.4	44.7	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 10000	44.9	45.4	45.6	45.7	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 9000	45.4	45.9	46.1	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 8000	46.2	46.7	46.9	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 7000	46.7	47.2	47.4	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 6000	47.6	48.1	48.3	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 5000	49.1	49.5	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 4500	50.6	51.1	51.3	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 4000	52.5	53.1	53.3	53.5	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 3500	52.8	53.4	53.8	54.0	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 3000	54.8	55.6	55.9	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 2500	57.9	58.6	59.2	59.5	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 2000	60.6	61.7	62.3	62.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 1800	61.7	62.9	63.7	64.1	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 1500	64.4	66.2	67.3	67.7	69.1	69.6	69.6	69.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 1200	69.1	70.9	72.3	73.2	74.8	75.5	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 1000	71.9	74.9	77.1	78.0	80.1	80.9	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 900	73.2	76.7	79.3	80.5	82.7	83.6	83.8	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 800	74.0	77.7	80.7	82.5	85.5	86.6	87.1	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 700	74.3	78.5	81.9	83.9	87.4	88.7	89.2	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 600	74.3	78.5	82.0	84.2	88.3	90.4	91.0	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 500	74.3	78.5	82.0	84.2	88.9	91.1	91.8	92.7	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 400	74.3	78.5	82.0	84.2	88.9	91.6	93.0	94.3	94.7	95.5	96.3	96.5	96.6	96.6	96.6	96.6
GE 300	74.3	78.5	82.0	84.2	89.0	91.7	93.3	94.8	95.3	96.1	97.2	97.6	98.2	98.2	98.2	98.2
GE 200	74.3	78.5	82.0	84.2	89.0	91.7	93.3	94.8	95.4	96.2	97.6	98.1	98.9	98.9	99.2	99.3
GE 100	74.3	78.5	82.0	84.2	89.0	91.7	93.3	94.8	95.4	96.2	97.9	98.3	99.2	99.3	99.6	99.9
GE 000	74.3	78.5	82.0	84.2	89.0	91.7	93.3	94.8	95.4	96.2	97.9	98.3	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 20000	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 18000	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 16000	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 14000	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 12000	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 10000	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 9000	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 8000	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 5000	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4500	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 4000	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 3500	62.9	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 3000	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 2500	70.8	70.8	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 2000	75.4	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1800	76.1	76.1	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1500	79.3	79.7	80.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1200	82.6	83.8	85.1	86.3	86.6	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1000	84.6	86.2	87.8	89.2	90.3	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 900	85.5	87.1	89.0	90.5	92.0	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 800	85.6	87.4	89.6	91.3	93.0	93.4	94.2	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	85.6	87.4	89.8	91.6	93.5	94.0	94.9	95.2	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	85.6	87.5	90.1	91.8	94.7	95.2	96.1	96.3	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	85.6	87.5	90.1	92.0	95.0	95.6	96.8	97.3	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	85.6	87.5	90.1	92.0	95.0	95.9	97.3	97.9	98.1	98.9	99.3	99.4	99.4	99.4	99.4	99.4
GE 300	85.6	87.5	90.1	92.0	95.0	95.9	97.3	98.0	98.3	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 200	85.6	87.5	90.1	92.0	95.0	95.9	97.3	98.0	98.3	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	85.6	87.5	90.1	92.0	95.0	95.9	97.3	98.0	98.3	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	85.6	87.5	90.1	92.0	95.0	95.9	97.3	98.0	98.3	99.3	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.8	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	56.1	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 18000	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 14000	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 12000	59.1	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 10000	60.5	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	61.0	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 8000	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 7000	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000	63.2	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 5000	65.7	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	67.4	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4000	70.2	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	74.3	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3000	77.4	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2500	79.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2000	83.2	83.7	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1800	83.8	84.3	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	86.1	86.6	87.1	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1200	88.3	89.1	89.6	90.2	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	89.4	90.3	91.0	91.6	92.1	92.1	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	89.8	90.8	91.5	92.1	93.0	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	90.2	91.1	91.8	92.6	93.7	93.7	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	90.3	91.3	92.3	93.3	94.4	94.8	95.6	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 600	90.3	91.3	92.4	93.4	95.3	95.6	96.6	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	90.3	91.3	92.4	93.4	95.4	95.7	96.9	97.8	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	90.3	91.3	92.4	93.4	95.4	95.7	96.9	98.0	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	90.3	91.3	92.4	93.4	95.4	95.9	97.0	98.2	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.3	91.3	92.4	93.4	95.4	95.9	97.0	98.2	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.3	91.3	92.4	93.4	95.4	95.9	97.0	98.2	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.3	91.3	92.4	93.4	95.4	95.9	97.0	98.2	98.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 20000	59.8	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	60.5	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	60.5	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	63.6	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 9000	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	64.3	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 7000	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 6000	66.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 5000	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4500	71.3	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	73.0	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3000	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	82.5	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2000	84.8	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1800	85.6	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1500	87.5	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1200	88.9	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1000	89.8	90.8	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 900	90.4	91.5	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 800	90.8	91.8	93.1	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 700	90.9	92.1	93.5	94.6	95.0	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 600	91.0	92.2	93.9	94.9	95.5	96.2	96.8	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	91.0	92.2	93.9	94.9	95.5	96.3	96.9	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	91.0	92.2	93.9	94.9	95.5	96.3	97.0	97.6	97.9	98.2	98.6	98.6	98.8	98.9	98.9	98.9
GE 300	91.0	92.2	93.9	94.9	95.5	96.3	97.0	97.6	98.0	98.8	99.2	99.2	99.4	99.5	99.5	99.5
GE 200	91.0	92.2	93.9	94.9	95.5	96.3	97.0	97.6	98.1	98.9	99.3	99.3	99.5	99.6	99.6	99.6
GE 100	91.0	92.2	93.9	94.9	95.5	96.3	97.0	97.6	98.1	98.9	99.3	99.3	99.5	99.6	99.9	100.0
GE 000	91.0	92.2	93.9	94.9	95.5	96.3	97.0	97.6	98.1	98.9	99.3	99.3	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	53.1	53.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	57.1	57.1	57.4	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 18000	57.1	57.1	57.4	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 16000	57.1	57.1	57.4	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 14000	57.2	57.2	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0
GE 12000	58.2	58.2	58.5	58.5	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 10000	59.2	59.2	59.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0
GE 9000	59.5	59.5	59.8	59.8	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
GE 8000	60.6	60.6	61.0	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5
GE 7000	61.5	61.5	61.8	61.8	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3
GE 6000	62.3	62.3	62.6	62.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
GE 5000	65.4	65.4	65.7	65.7	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2
GE 4500	66.2	66.2	66.5	66.5	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0
GE 4000	67.5	67.5	67.8	67.8	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3
GE 3500	68.9	68.9	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.9	69.9	69.9	69.9
GE 3000	72.3	72.3	72.8	72.8	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3
GE 2500	73.4	73.8	74.3	74.3	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9
GE 2000	76.2	76.7	77.7	77.7	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.3	78.3	78.3	78.3
GE 1800	76.7	77.2	78.1	78.1	78.5	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
GE 1500	80.7	81.4	82.5	82.6	83.0	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
GE 1200	83.8	84.8	86.3	86.5	87.0	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
GE 1000	85.6	87.1	89.1	89.7	90.3	90.3	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 900	85.8	87.6	89.6	90.3	90.9	90.9	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6
GE 800	86.6	88.7	90.7	91.5	92.4	92.4	93.0	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 700	86.9	89.0	91.0	92.0	92.9	93.4	94.8	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2
GE 600	86.9	89.0	91.0	92.2	93.4	93.9	95.5	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9
GE 500	87.2	89.4	91.5	92.8	94.2	94.8	96.7	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 400	87.2	89.4	91.5	93.1	94.6	95.3	97.3	97.5	97.5	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 300	87.2	89.4	91.5	93.1	94.6	95.4	97.6	97.9	97.9	98.1	98.5	98.5	98.7	98.7	98.7	98.8
GE 200	87.2	89.4	91.5	93.1	94.6	95.4	97.8	98.0	98.1	98.3	98.7	98.7	99.2	99.2	99.2	99.5
GE 100	87.2	89.4	91.5	93.1	94.6	95.4	97.8	98.0	98.1	98.3	98.7	98.7	99.2	99.2	99.2	99.8
GE 000	87.2	89.4	91.5	93.1	94.6	95.4	97.8	98.0	98.1	98.3	98.7	98.7	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.2	45.5	45.8	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	50.1	50.4	50.7	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1
GE 18000	50.4	50.7	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4
GE 16000	50.4	50.7	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4
GE 14000	50.8	51.2	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 12000	51.7	52.0	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7
GE 10000	52.7	53.0	53.3	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	53.0	53.4	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 8000	53.9	54.3	54.6	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0
GE 7000	54.6	54.9	55.2	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 6000	55.3	55.6	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 5000	57.4	57.8	58.1	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
GE 4500	58.6	59.0	59.3	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8
GE 4000	60.7	61.1	61.4	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0
GE 3500	62.5	62.9	63.3	63.5	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 3000	65.2	65.7	66.1	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 2500	67.7	68.2	68.8	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5
GE 2000	70.6	71.2	72.0	72.3	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8
GE 1800	71.5	72.2	73.0	73.3	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9
GE 1500	74.3	75.3	76.2	76.8	77.2	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6
GE 1200	77.8	79.1	80.3	81.0	81.5	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1000	79.8	81.5	83.2	84.1	84.8	85.1	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6
GE 900	81.0	82.8	84.7	85.8	86.7	87.0	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6
GE 800	82.0	84.0	86.2	87.6	88.9	89.3	89.7	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1
GE 700	82.3	84.5	86.9	88.5	90.0	90.7	91.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 600	82.6	84.8	87.4	89.2	91.2	92.0	92.8	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 500	82.8	85.1	87.7	89.8	92.3	93.4	94.5	95.2	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8
GE 400	82.8	85.1	87.7	89.9	92.5	93.8	95.2	96.1	96.3	96.8	97.1	97.1	97.2	97.2	97.3	97.3
GE 300	82.8	85.1	87.7	89.9	92.6	94.0	95.6	96.8	97.1	97.7	98.1	98.2	98.4	98.4	98.5	98.5
GE 200	82.8	85.1	87.7	89.9	92.6	94.0	95.7	97.0	97.3	98.0	98.5	98.6	99.0	99.1	99.1	99.2
GE 100	82.8	85.1	87.7	89.9	92.6	94.0	95.8	97.0	97.4	98.0	98.6	98.8	99.2	99.3	99.5	99.9
GE 000	82.8	85.1	87.7	89.9	92.6	94.0	95.8	97.0	97.4	98.0	98.6	98.8	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.6	46.8	46.9	47.1	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 20000	50.1	50.3	50.4	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 18000	50.1	50.3	50.4	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 16000	50.1	50.3	50.4	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 14000	50.1	50.3	50.4	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	50.9	51.1	51.2	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 10000	51.6	51.8	51.9	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 9000	51.9	52.2	52.3	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 8000	52.8	53.0	53.1	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 7000	53.0	53.2	53.3	53.5	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 6000	53.8	54.0	54.2	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 5000	55.2	55.4	55.6	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4500	55.9	56.1	56.3	56.6	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 4000	57.0	57.2	57.4	57.6	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 3500	57.6	57.8	58.1	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 3000	58.9	59.2	59.5	59.7	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 2500	61.8	62.2	62.4	62.6	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 2000	63.9	64.4	64.6	64.9	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 1800	64.9	65.5	65.7	66.0	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 1500	69.2	70.0	70.3	71.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 1200	75.1	76.6	77.0	77.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1000	79.7	81.4	82.2	82.9	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 900	81.9	84.5	85.3	86.3	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 800	83.2	86.2	87.2	88.3	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 700	84.9	88.5	89.8	91.1	92.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 600	85.5	89.0	90.6	91.9	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	85.8	89.4	91.2	92.8	95.1	95.7	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 400	85.8	89.4	91.2	92.8	95.1	95.7	96.8	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	85.8	89.4	91.2	92.8	95.2	95.8	96.9	97.6	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3
GE 200	85.8	89.4	91.2	92.8	95.2	95.8	97.2	98.2	98.4	98.6	99.0	99.1	99.5	99.5	99.5	99.5
GE 100	85.8	89.4	91.2	92.8	95.2	95.8	97.2	98.2	98.4	98.6	99.1	99.2	99.7	99.7	99.9	100.0
GE 000	85.8	89.4	91.2	92.8	95.2	95.8	97.2	98.2	98.4	98.6	99.1	99.2	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.1	37.6	38.0	38.4	38.5	38.7	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 20000	40.2	40.8	41.1	41.5	41.6	41.8	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	40.2	40.8	41.1	41.5	41.6	41.8	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 16000	40.2	40.8	41.1	41.5	41.6	41.8	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 14000	40.2	40.8	41.1	41.5	41.6	41.8	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 12000	40.4	41.0	41.3	41.7	41.8	42.0	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 10000	41.5	42.0	42.4	42.8	42.9	43.1	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 9000	41.8	42.4	42.7	43.1	43.2	43.4	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 8000	42.8	43.3	43.7	44.1	44.2	44.4	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 7000	43.3	43.9	44.2	44.6	44.7	44.9	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 6000	44.3	44.8	45.2	45.6	45.7	45.9	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 5000	44.9	45.5	45.8	46.2	46.3	46.6	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 4500	45.7	46.2	46.6	47.0	47.1	47.3	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 4000	46.7	47.2	47.6	48.1	48.2	48.4	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 3500	48.2	48.7	49.2	49.7	49.8	50.0	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 3000	49.7	50.2	50.8	51.2	51.3	51.5	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 2500	52.2	52.9	53.4	54.0	54.1	54.3	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 2000	55.3	56.2	56.8	57.3	57.7	58.0	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 1800	56.6	57.7	58.3	58.8	59.4	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 1500	59.9	61.6	62.5	63.3	64.0	64.2	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 1200	67.3	69.2	70.3	71.3	71.9	72.2	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 1000	70.9	73.5	75.3	76.8	77.5	77.8	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 900	73.5	76.5	78.3	80.0	81.0	81.3	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 800	75.5	79.2	81.4	83.5	84.7	85.1	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 700	76.3	80.9	83.3	86.0	87.5	88.0	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 600	76.9	81.5	84.6	87.4	89.2	90.1	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 500	77.4	82.2	85.5	88.6	90.9	91.9	93.1	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3
GE 400	77.6	82.4	85.8	89.0	91.5	92.7	94.1	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8
GE 300	77.6	82.4	85.9	89.5	92.2	93.3	94.9	96.2	96.9	97.2	97.3	97.3	97.3	97.3	97.4	97.4
GE 200	77.6	82.5	86.0	89.6	92.3	93.4	95.1	96.3	97.0	97.5	98.1	98.4	98.8	98.9	99.0	99.0
GE 100	77.6	82.5	86.0	89.6	92.3	93.4	95.2	96.5	97.1	97.7	98.4	98.7	99.2	99.5	99.7	99.8
GE 000	77.6	82.5	86.0	89.6	92.3	93.4	95.2	96.5	97.1	97.7	98.4	98.7	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.1	34.5	34.8	35.2	35.6	36.0	36.5	36.6	36.6	36.7	36.7	36.7	36.9	36.9	37.0	37.0
GE 20000	37.8	38.3	38.6	38.9	39.5	40.0	40.4	40.5	40.5	40.6	40.6	40.6	40.9	40.9	41.0	41.0
GE 18000	37.8	38.3	38.6	38.9	39.5	40.0	40.4	40.5	40.5	40.6	40.6	40.6	40.9	40.9	41.0	41.0
GE 16000	37.8	38.3	38.6	38.9	39.5	40.0	40.4	40.5	40.5	40.6	40.6	40.6	40.9	40.9	41.0	41.0
GE 14000	38.1	38.5	39.0	39.4	39.9	40.4	40.9	41.0	41.0	41.1	41.1	41.1	41.3	41.3	41.4	41.4
GE 12000	38.5	38.9	39.5	39.8	40.3	40.9	41.3	41.4	41.4	41.5	41.5	41.5	41.7	41.7	41.8	41.8
GE 10000	39.6	40.0	40.5	40.9	41.5	42.0	42.5	42.6	42.6	42.7	42.7	42.7	42.9	42.9	43.0	43.0
GE 9000	40.1	40.5	41.1	41.4	42.0	42.6	43.0	43.1	43.1	43.2	43.2	43.2	43.4	43.4	43.5	43.5
GE 8000	41.0	41.4	42.0	42.4	43.0	43.5	44.0	44.1	44.1	44.2	44.2	44.2	44.4	44.4	44.5	44.5
GE 7000	41.1	41.5	42.2	42.5	43.1	43.7	44.1	44.2	44.2	44.3	44.3	44.3	44.5	44.5	44.6	44.6
GE 6000	42.5	42.9	43.5	44.0	44.6	45.2	45.6	45.7	45.7	45.8	45.8	45.8	46.0	46.0	46.1	46.1
GE 5000	43.1	43.5	44.2	44.7	45.4	45.9	46.3	46.5	46.5	46.6	46.6	46.6	46.8	46.8	46.9	46.9
GE 4500	44.1	44.6	45.3	45.9	46.6	47.1	47.5	47.6	47.6	47.7	47.7	47.7	48.0	48.0	48.1	48.1
GE 4000	45.5	46.0	46.7	47.3	48.0	48.5	48.9	49.0	49.0	49.1	49.1	49.1	49.4	49.4	49.5	49.5
GE 3500	46.6	47.1	47.7	48.6	49.2	49.8	50.2	50.5	50.5	50.6	50.6	50.6	50.9	50.9	51.0	51.0
GE 3000	47.6	48.3	48.9	49.8	50.4	51.0	51.4	51.7	51.7	51.8	51.8	51.8	52.2	52.2	52.3	52.3
GE 2500	50.5	51.3	51.9	52.8	53.4	54.0	54.4	54.7	54.7	54.8	54.8	54.8	55.2	55.2	55.3	55.3
GE 2000	53.5	54.4	55.1	55.9	56.7	57.2	57.6	58.0	58.0	58.1	58.1	58.1	58.4	58.4	58.5	58.5
GE 1800	55.6	56.6	57.2	58.1	58.8	59.4	59.8	60.1	60.1	60.2	60.2	60.2	60.5	60.5	60.6	60.6
GE 1500	58.1	59.2	60.1	61.3	62.2	62.9	63.4	64.1	64.1	64.2	64.2	64.2	64.5	64.5	64.6	64.6
GE 1200	62.9	64.5	65.6	67.4	68.4	69.2	69.8	70.5	70.5	70.6	70.6	70.6	71.0	71.0	71.1	71.1
GE 1000	65.7	67.6	68.8	71.0	72.0	73.1	73.7	74.4	74.4	74.5	74.5	74.5	74.8	74.8	74.9	74.9
GE 900	67.7	70.6	72.4	74.9	76.1	77.4	78.1	79.1	79.1	79.4	79.5	79.5	79.8	79.8	79.9	79.9
GE 800	69.1	72.7	74.6	77.7	79.4	80.9	81.6	82.7	82.7	83.0	83.1	83.1	83.4	83.4	83.5	83.5
GE 700	69.5	73.2	75.6	79.1	81.6	83.4	84.3	85.6	85.6	85.9	86.0	86.0	86.3	86.3	86.5	86.5
GE 600	69.9	73.9	76.3	80.3	83.2	85.3	86.2	87.8	88.0	88.3	88.5	88.5	88.8	88.8	88.9	88.9
GE 500	70.3	74.3	76.9	81.0	84.3	86.9	88.1	90.1	90.5	90.9	91.1	91.1	91.4	91.4	91.5	91.5
GE 400	70.4	74.4	77.1	81.4	84.9	88.0	89.4	92.5	93.3	93.9	94.1	94.1	94.4	94.4	94.5	94.5
GE 300	70.5	74.6	77.3	81.7	85.5	88.5	90.2	93.9	95.1	95.9	96.6	96.6	96.9	96.9	97.0	97.0
GE 200	70.5	74.6	77.3	81.7	85.5	88.5	90.2	93.9	95.1	96.6	97.7	98.1	98.8	98.9	99.1	99.1
GE 100	70.5	74.6	77.3	81.7	85.5	88.5	90.2	93.9	95.1	96.6	98.0	98.3	99.1	99.2	99.7	99.7
GE 000	70.5	74.6	77.3	81.7	85.5	88.5	90.2	93.9	95.1	96.6	98.0	98.3	99.1	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.7	38.9	39.0	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 20000	41.7	41.9	42.0	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 18000	41.8	42.0	42.2	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 16000	41.9	42.2	42.3	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 14000	42.5	42.7	42.9	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 12000	43.2	43.4	43.8	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 10000	44.6	44.9	45.3	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 9000	45.1	45.4	45.7	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000	46.6	46.9	47.2	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 7000	46.8	47.1	47.4	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 6000	47.6	48.0	48.3	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 5000	49.1	49.5	49.9	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 4500	50.1	50.4	50.9	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 4000	51.1	51.4	51.9	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 3500	52.4	52.7	53.2	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 3000	53.4	53.9	54.5	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 2500	56.5	57.2	58.4	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 2000	61.0	61.9	63.3	64.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 1800	61.9	63.0	64.6	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 1500	66.6	68.3	70.4	71.5	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 1200	72.4	74.6	77.4	79.6	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1000	74.4	77.3	80.4	83.2	84.7	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 900	76.1	79.5	82.8	85.8	87.7	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 800	76.7	80.3	83.9	87.4	89.7	90.2	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 700	76.9	80.6	84.5	88.5	91.2	92.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 600	77.1	80.9	84.8	89.2	92.7	94.0	95.2	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 500	77.2	81.1	85.1	89.5	93.1	94.6	96.0	97.0	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7
GE 400	77.2	81.1	85.2	89.7	93.4	95.2	96.8	98.0	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 300	77.2	81.1	85.2	89.7	93.4	95.2	96.9	98.2	98.7	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 200	77.2	81.1	85.2	89.7	93.4	95.2	96.9	98.2	98.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 100	77.2	81.1	85.2	89.7	93.4	95.2	96.9	98.2	98.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 000	77.2	81.1	85.2	89.7	93.4	95.2	96.9	98.2	98.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.1	45.4	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	52.5	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 18000	52.5	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 16000	52.8	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	53.3	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 12000	54.2	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 10000	56.1	56.6	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 9000	56.3	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 8000	57.3	57.8	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 7000	57.8	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 6000	58.4	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	59.8	60.3	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4500	60.4	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4000	62.8	63.3	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 3500	65.9	66.5	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 3000	71.4	71.9	72.3	72.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 2500	76.7	77.2	78.0	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 2000	81.9	82.6	83.3	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	82.9	83.7	84.6	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1500	86.0	87.1	88.4	89.0	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1200	88.9	90.3	91.9	93.4	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	89.7	91.1	92.7	94.5	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	89.8	91.2	92.9	95.2	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	90.1	91.5	93.3	95.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	90.2	91.6	93.4	96.2	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	90.2	91.6	93.4	96.3	97.8	98.3	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	90.2	91.6	93.4	96.3	97.8	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	90.2	91.6	93.4	96.3	97.8	98.7	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.2	91.6	93.4	96.3	97.8	98.7	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.2	91.6	93.4	96.3	97.8	98.7	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.2	91.6	93.4	96.3	97.8	98.7	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.2	91.6	93.4	96.3	97.8	98.7	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 20000	60.8	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	61.2	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 16000	61.3	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 14000	62.4	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 12000	63.8	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 10000	65.5	66.0	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 9000	65.6	66.1	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 8000	66.6	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 7000	67.6	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 6000	68.3	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 5000	70.8	71.3	71.6	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4500	72.7	73.2	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4000	75.6	76.1	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3500	81.2	81.7	82.0	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3000	85.5	86.0	86.3	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500	88.2	88.7	89.0	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2000	90.1	90.6	91.2	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1800	90.8	91.3	91.8	92.3	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1500	93.0	93.9	94.5	94.9	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1200	94.2	95.1	95.7	96.5	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	94.4	95.3	95.9	96.7	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	94.8	95.7	96.3	97.1	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	94.8	95.7	96.5	97.2	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	94.9	95.8	96.7	97.4	98.1	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	94.9	95.8	96.7	97.4	98.1	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	94.9	95.8	96.7	97.4	98.2	98.7	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	94.9	95.8	96.7	97.4	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.9	95.8	96.7	97.4	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.9	95.8	96.7	97.4	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.9	95.8	96.7	97.4	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.9	95.8	96.7	97.4	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 20000	64.8	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 18000	65.2	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 16000	65.2	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 14000	66.1	67.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 12000	67.1	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 10000	69.3	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 9000	69.4	70.2	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 8000	70.7	71.5	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7000	71.4	72.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 6000	71.7	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 5000	75.4	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 4500	76.5	77.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	78.5	79.5	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3500	80.4	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000	85.3	86.7	87.3	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	87.8	89.4	90.0	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	89.2	90.8	91.5	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	90.0	91.6	92.4	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	92.4	94.1	94.9	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	93.1	94.7	95.6	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	93.2	94.8	95.7	96.2	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	93.6	95.3	96.1	96.7	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	94.1	95.7	96.7	97.3	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	94.1	95.7	96.7	97.3	98.3	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	94.1	95.7	96.7	97.3	98.4	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	94.1	95.7	96.7	97.3	98.7	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.1	95.7	96.7	97.3	98.7	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.1	95.7	96.7	97.3	98.7	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.1	95.7	96.7	97.3	98.7	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.1	95.7	96.7	97.3	98.7	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.1	95.7	96.7	98.3	98.7	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

D - 2 - 25

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.5	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 20000	61.8	62.0	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	62.1	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 16000	62.1	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 14000	62.5	62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 12000	62.7	62.9	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	63.4	63.6	63.6	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 9000	63.8	64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	64.5	64.7	64.7	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	64.9	65.2	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 6000	65.7	65.9	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	67.5	67.7	67.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4500	68.8	69.0	69.1	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	69.7	69.9	70.0	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 3500	70.6	70.8	70.9	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 3000	73.6	73.9	74.0	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 2500	75.9	76.7	76.8	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2000	79.1	79.8	79.9	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 1800	79.9	80.7	80.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1500	84.7	85.4	85.7	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1200	88.3	89.5	89.8	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	90.9	92.4	93.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	91.9	93.5	94.1	95.1	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	92.4	94.1	94.7	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	93.1	94.7	95.6	96.9	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	93.1	94.7	95.6	96.9	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	93.2	94.9	95.9	97.3	98.3	98.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	93.2	94.9	95.9	97.3	98.3	98.7	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	93.2	94.9	95.9	97.3	98.3	98.7	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	93.2	94.9	95.9	97.3	98.3	98.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.2	94.9	95.9	97.3	98.3	98.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.2	94.9	95.9	97.3	98.3	98.7	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	46.3	46.5	46.7	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 20000	51.2	51.6	51.8	52.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
GE 18000	51.4	51.8	52.0	52.2	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000	51.4	51.9	52.0	52.2	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 14000	51.9	52.3	52.5	52.8	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 12000	52.6	53.0	53.3	53.5	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
GE 10000	53.9	54.4	54.6	54.9	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 9000	54.2	54.7	54.9	55.2	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 8000	55.3	55.7	56.0	56.2	56.4	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 7000	55.7	56.2	56.5	56.7	56.9	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 6000	56.5	57.0	57.3	57.5	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 5000	58.2	58.7	59.0	59.3	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8
GE 4500	59.3	59.8	60.1	60.4	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 4000	60.8	61.3	61.7	62.0	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 3500	62.8	63.3	63.7	64.0	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7
GE 3000	65.7	66.3	66.7	67.1	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
GE 2500	68.7	69.4	70.0	70.5	70.9	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
GE 2000	71.7	72.6	73.2	73.8	74.2	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
GE 1800	72.8	73.7	74.4	75.0	75.5	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 1500	76.2	77.4	78.3	79.1	79.8	80.0	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1200	80.3	81.8	82.9	84.1	84.8	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1000	82.4	84.2	85.5	86.9	87.8	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6
GE 900	83.7	85.8	87.3	88.9	89.9	90.3	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 800	84.5	86.9	88.5	90.4	91.6	92.1	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
GE 700	85.0	87.6	89.4	91.6	93.0	93.7	94.1	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6
GE 600	85.2	87.9	89.8	92.1	93.9	94.7	95.2	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 500	85.4	88.1	90.2	92.5	94.5	95.6	96.3	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 400	85.4	88.1	90.2	92.7	94.7	95.9	96.8	97.7	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3
GE 300	85.4	88.2	90.3	92.7	94.9	96.0	97.0	98.1	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	85.4	88.2	90.3	92.8	94.9	96.0	97.1	98.2	98.6	99.0	99.3	99.4	99.6	99.7	99.7	99.7
GE 100	85.4	88.2	90.3	92.8	94.9	96.0	97.1	98.2	98.6	99.1	99.4	99.5	99.7	99.8	99.9	99.9
GE 000	85.4	88.2	90.3	92.8	94.9	96.0	97.1	98.2	98.6	99.1	99.4	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.7	48.0	48.6	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 20000	52.9	53.3	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 18000	53.1	53.6	54.1	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 16000	53.1	53.6	54.1	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 14000	53.6	54.1	54.7	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000	53.9	54.6	55.1	55.3	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 10000	54.4	55.1	55.7	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 9000	55.0	55.7	56.2	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 8000	55.3	56.0	56.7	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 7000	55.7	56.3	57.0	57.3	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 6000	56.7	57.3	58.0	58.3	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 5000	57.2	57.9	58.6	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 4500	58.7	59.6	60.2	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4000	59.6	60.4	61.1	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 3500	60.6	61.4	62.1	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 3000	62.7	63.6	64.2	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 2500	65.1	66.0	66.7	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 2000	67.7	68.6	69.2	69.6	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 1800	68.2	69.4	70.2	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 1500	73.4	75.0	76.1	76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 1200	81.2	83.0	84.3	85.3	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1000	85.6	87.3	88.8	90.4	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	86.9	88.9	90.4	92.3	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 800	87.7	90.0	92.0	93.9	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 700	88.2	90.6	92.6	94.6	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 600	88.4	90.8	92.8	95.1	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	88.4	91.0	93.1	95.8	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	88.4	91.0	93.1	95.8	97.6	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	88.4	91.0	93.3	96.0	97.8	98.4	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	88.4	91.0	93.3	96.0	97.8	98.4	99.2	99.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	88.4	91.0	93.3	96.0	97.8	98.4	99.2	99.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	88.4	91.0	93.3	96.0	97.8	98.4	99.2	99.3	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.2	38.0	38.9	39.3	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4
GE 20000	41.3	42.2	43.1	43.6	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7
GE 18000	41.4	42.3	43.2	43.7	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8
GE 16000	41.4	42.3	43.2	43.7	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8
GE 14000	41.6	42.4	43.3	43.8	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.0
GE 12000	42.4	43.3	44.2	44.7	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.9
GE 10000	42.9	43.8	44.7	45.2	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.6
GE 9000	43.0	43.9	44.8	45.3	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.6	46.6	46.7
GE 8000	43.6	44.4	45.3	45.9	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1	47.1	47.2
GE 7000	44.0	44.9	45.8	46.3	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.6	47.6	47.7
GE 6000	45.0	45.9	46.8	47.3	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.6	48.7
GE 5000	45.7	46.6	47.4	48.0	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3
GE 4500	46.3	47.2	48.1	48.7	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.0
GE 4000	46.9	47.8	48.7	49.2	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.6
GE 3500	48.7	49.7	50.6	51.1	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4
GE 3000	49.4	50.4	51.3	51.9	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.2
GE 2500	53.4	54.4	55.6	56.1	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
GE 2000	57.1	58.4	59.7	60.4	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.2
GE 1800	58.4	59.9	61.1	61.9	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.7
GE 1500	63.6	65.3	66.6	67.6	68.8	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.6
GE 1200	70.6	72.6	74.0	75.6	76.9	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.1
GE 1000	75.3	77.4	79.2	81.4	83.0	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.3
GE 900	77.0	79.9	82.0	84.4	86.3	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.7
GE 800	78.7	81.7	84.1	87.2	89.2	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.7
GE 700	79.9	83.1	85.9	89.4	92.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.6
GE 600	80.6	83.8	87.0	90.6	93.6	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.4
GE 500	80.8	84.0	87.2	90.9	94.0	95.1	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.4
GE 400	80.9	84.2	87.7	91.4	94.7	95.9	96.6	97.4	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.8
GE 300	80.9	84.2	87.7	91.4	94.7	95.9	96.7	98.0	98.1	98.4	98.4	98.4	98.4	98.6	98.6	98.7
GE 200	80.9	84.2	87.7	91.4	94.7	95.9	96.7	98.0	98.3	98.9	99.0	99.1	99.1	99.2	99.2	99.4
GE 100	80.9	84.2	87.7	91.4	94.7	95.9	96.7	98.0	98.3	99.0	99.1	99.2	99.2	99.4	99.4	99.8
GE 000	80.9	84.2	87.7	91.4	94.7	95.9	96.7	98.0	98.3	99.0	99.1	99.2	99.2	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.4	30.9	31.2	31.9	32.7	32.9	32.9	32.9	32.9	32.9	33.0	33.0	33.1	33.1	33.1	33.1
GE 20000	35.1	35.6	35.9	36.9	37.9	38.1	38.3	38.3	38.3	38.3	38.4	38.4	38.6	38.6	38.6	38.6
GE 18000	35.2	35.7	36.0	37.0	38.0	38.2	38.4	38.4	38.4	38.4	38.6	38.6	38.7	38.7	38.7	38.7
GE 16000	35.2	35.7	36.0	37.0	38.0	38.2	38.4	38.4	38.4	38.4	38.6	38.6	38.7	38.7	38.7	38.7
GE 14000	35.2	35.7	36.0	37.0	38.0	38.2	38.4	38.4	38.4	38.4	38.6	38.6	38.7	38.7	38.7	38.7
GE 12000	35.9	36.3	36.7	37.7	38.7	38.9	39.1	39.1	39.1	39.1	39.2	39.2	39.3	39.3	39.3	39.3
GE 10000	37.3	37.9	38.2	39.3	40.4	40.7	41.0	41.0	41.0	41.0	41.1	41.1	41.2	41.2	41.2	41.2
GE 9000	37.8	38.3	38.7	39.8	40.9	41.1	41.4	41.4	41.4	41.4	41.6	41.6	41.7	41.7	41.7	41.7
GE 8000	39.1	39.7	40.0	41.1	42.2	42.4	42.8	42.8	42.8	42.8	42.9	42.9	43.0	43.0	43.0	43.0
GE 7000	40.0	40.6	40.9	42.0	43.1	43.3	43.7	43.7	43.7	43.7	43.8	43.8	43.9	43.9	43.9	43.9
GE 6000	41.2	41.8	42.1	43.2	44.3	44.6	45.0	45.0	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.2
GE 5000	42.3	42.9	43.2	44.4	45.7	45.9	46.3	46.3	46.3	46.3	46.4	46.4	46.6	46.6	46.6	46.6
GE 4500	43.0	43.6	43.9	45.1	46.3	46.6	47.0	47.0	47.0	47.0	47.1	47.1	47.2	47.2	47.2	47.2
GE 4000	44.8	45.3	45.7	46.9	48.1	48.3	48.8	48.8	48.8	48.8	48.9	48.9	49.0	49.0	49.0	49.0
GE 3500	45.8	46.3	46.8	48.0	49.2	49.4	50.0	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2
GE 3000	46.7	47.2	47.9	49.4	50.7	51.0	51.7	51.7	51.7	51.7	51.8	51.8	51.9	51.9	51.9	51.9
GE 2500	48.7	49.2	50.1	52.0	53.3	53.7	54.3	54.3	54.3	54.3	54.4	54.4	54.6	54.6	54.6	54.6
GE 2000	52.6	53.2	54.4	56.4	58.3	58.8	59.4	59.7	59.8	59.8	59.9	59.9	60.0	60.0	60.0	60.0
GE 1800	54.4	55.3	56.7	58.7	60.7	61.1	61.8	62.0	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.3
GE 1500	58.6	60.2	62.0	64.2	66.3	66.9	67.6	68.0	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3
GE 1200	61.6	63.6	65.6	68.6	71.7	72.3	73.3	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3
GE 1000	64.3	66.7	69.3	73.2	77.0	78.1	79.4	80.0	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.4
GE 900	66.9	69.4	72.9	77.3	81.6	82.7	84.1	84.7	84.8	84.9	85.1	85.1	85.2	85.2	85.2	85.2
GE 800	67.3	70.0	74.2	79.0	84.2	85.3	87.1	87.8	88.1	88.2	88.4	88.4	88.6	88.6	88.6	88.6
GE 700	68.3	71.0	75.3	80.2	85.7	87.0	89.2	90.0	90.3	90.6	90.8	90.8	90.9	90.9	90.9	90.9
GE 600	68.4	71.3	76.0	81.2	86.9	88.6	91.1	92.1	92.4	92.8	93.0	93.0	93.1	93.1	93.1	93.1
GE 500	68.4	71.4	76.2	81.7	87.4	89.7	92.9	94.1	94.6	95.1	95.4	95.4	95.6	95.6	95.6	95.6
GE 400	68.4	71.6	76.3	81.8	87.7	89.9	93.2	94.8	95.3	96.2	96.7	96.7	96.9	96.9	96.9	96.9
GE 300	68.4	71.6	76.3	81.8	87.7	89.9	93.4	95.1	95.9	97.1	97.7	97.7	98.2	98.2	98.2	98.2
GE 200	68.4	71.6	76.3	81.8	87.7	89.9	93.6	95.2	96.0	97.4	98.1	98.1	98.8	98.8	98.9	99.0
GE 100	68.4	71.6	76.3	81.8	87.7	89.9	93.6	95.2	96.0	97.4	98.1	98.1	98.8	99.0	99.3	99.9
GE 000	68.4	71.6	76.3	81.8	87.7	89.9	93.6	95.2	96.0	97.4	98.1	98.1	98.8	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.3	37.6	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 20000	44.9	45.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000	44.9	45.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 16000	44.9	45.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 14000	45.2	45.4	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 12000	46.0	46.2	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 10000	46.7	46.9	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 9000	47.0	47.2	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 8000	48.2	48.4	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 7000	48.8	49.0	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 6000	49.7	49.9	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 5000	50.9	51.1	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 4500	51.7	51.9	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 4000	52.4	52.8	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 3500	54.1	54.4	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 3000	56.7	57.0	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 2500	61.8	62.4	64.0	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 2000	67.1	68.1	69.9	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 1800	69.1	70.2	72.1	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 1500	74.4	76.2	78.6	80.3	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1200	77.9	80.1	83.4	85.9	86.8	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1000	79.8	82.4	86.4	90.0	91.3	92.0	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 900	80.1	83.0	87.0	90.8	92.4	93.2	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	80.3	83.2	87.6	91.7	93.8	94.8	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	80.4	83.3	87.7	92.0	94.4	95.6	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	80.4	83.3	87.7	92.0	94.8	96.2	97.2	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	80.4	83.3	87.7	92.0	94.9	96.3	97.3	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	80.4	83.3	87.7	92.0	94.9	96.3	97.8	98.2	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	80.4	83.3	87.7	92.0	94.9	96.3	97.9	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	80.4	83.3	87.7	92.0	94.9	96.3	97.9	98.6	99.1	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	80.4	83.3	87.7	92.0	94.9	96.3	97.9	98.6	99.1	99.4	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	80.4	83.3	87.7	92.0	94.9	96.3	97.9	98.6	99.1	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.4	49.3	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 20000	57.0	57.9	58.1	58.1	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 18000	57.3	58.2	58.4	58.4	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	57.3	58.2	58.4	58.4	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	57.9	58.8	59.0	59.0	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12000	58.8	59.7	59.9	59.9	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	60.3	61.2	61.4	61.4	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 9000	60.7	61.6	62.1	62.1	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 8000	62.4	63.4	64.1	64.1	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	62.8	63.8	64.4	64.4	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	63.6	64.6	65.2	65.2	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 5000	64.2	65.2	65.9	65.9	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4500	65.2	66.2	66.9	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4000	66.7	67.8	69.1	69.1	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 3500	69.8	71.2	72.6	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000	75.2	77.0	78.3	78.9	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 2500	79.3	81.6	83.0	83.8	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 2000	83.7	86.3	88.0	88.9	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800	85.0	87.7	89.3	90.2	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500	87.0	89.9	91.9	93.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	87.9	91.1	93.7	95.0	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	88.0	91.3	94.3	96.0	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	88.2	91.6	94.9	96.6	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	88.2	91.6	95.0	96.7	98.2	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	88.2	91.7	95.1	96.9	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	88.2	91.7	95.1	96.9	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	88.2	91.7	95.1	96.9	98.4	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	88.2	91.7	95.1	96.9	98.4	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.2	91.7	95.1	96.9	98.4	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.2	91.7	95.1	96.9	98.4	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.2	91.7	95.1	96.9	98.4	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.2	91.7	95.1	96.9	98.4	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.1	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 20000	66.4	67.2	67.6	67.6	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	66.8	67.6	67.9	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	66.8	67.6	67.9	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	67.4	68.2	68.6	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 12000	68.4	69.2	69.6	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	69.9	70.7	71.1	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	70.4	71.2	71.7	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 8000	72.2	73.0	73.4	73.7	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	72.9	73.7	74.1	74.3	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 6000	74.3	75.1	75.8	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 5000	75.1	75.9	76.6	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4500	75.8	76.6	77.2	77.4	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	78.1	79.0	79.7	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3500	83.2	84.7	85.3	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	86.8	88.8	89.9	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2500	90.0	92.0	93.3	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2000	91.1	93.4	94.8	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1800	91.2	93.6	94.9	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	92.1	94.6	95.9	96.4	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	92.7	95.1	96.4	97.2	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	93.0	95.7	97.1	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	93.0	95.7	97.1	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	93.0	95.7	97.1	98.0	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	93.0	95.7	97.1	98.0	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 200	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	93.0	95.7	97.1	98.0	99.0	99.2	99.4	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.9	57.4	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 20000	71.9	72.6	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 18000	72.1	72.8	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 16000	72.1	72.8	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 14000	73.6	74.2	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 12000	74.8	75.6	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 10000	75.9	76.9	77.6	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 9000	76.4	77.6	78.2	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 8000	77.4	78.6	79.2	79.3	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 7000	77.9	79.0	79.7	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 6000	78.6	79.7	80.3	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 5000	80.1	81.2	81.9	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4500	81.1	82.2	82.9	83.0	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	83.1	84.3	85.0	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3500	84.4	86.1	86.9	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 3000	88.1	90.0	90.9	91.2	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500	89.8	91.7	92.6	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	91.2	93.2	94.2	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	91.4	93.4	94.4	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500	92.8	95.0	96.0	96.3	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	93.6	95.8	96.9	97.2	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	93.9	96.1	97.2	97.6	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	94.0	96.2	97.4	97.9	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	94.0	96.2	97.4	97.9	98.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	94.0	96.2	97.4	97.9	98.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	94.1	96.3	97.8	98.2	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	94.1	96.3	97.8	98.2	98.8	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	94.1	96.3	97.8	98.2	98.8	98.9	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	94.1	96.3	97.8	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.1	96.3	97.8	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.1	96.3	97.8	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.1	96.3	97.8	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.3	60.9	61.3	61.3	61.4	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 20000	69.3	70.0	70.4	70.4	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 18000	69.3	70.0	70.4	70.4	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 16000	69.3	70.0	70.4	70.4	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 14000	70.1	70.8	71.2	71.2	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 12000	71.2	71.9	72.3	72.3	72.4	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 10000	71.6	72.2	72.7	72.7	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 9000	72.0	72.7	73.1	73.1	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 8000	72.7	73.3	73.8	73.8	73.9	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	72.8	73.4	73.9	73.9	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 6000	73.1	73.8	74.2	74.2	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 5000	74.6	75.2	75.7	75.7	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4500	75.4	76.1	76.7	76.7	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4000	77.2	77.9	78.4	78.4	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	78.4	79.1	79.7	79.7	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3000	80.2	81.2	81.8	81.8	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	81.9	82.9	83.4	83.4	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2000	84.4	85.4	86.3	86.3	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1800	84.9	86.0	87.0	87.0	87.3	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1500	88.8	90.1	91.3	91.3	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1200	90.9	92.2	93.4	94.0	94.3	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	92.4	93.9	95.2	96.0	96.3	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	92.9	94.3	95.7	96.7	97.0	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	93.0	94.8	96.2	97.2	97.7	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	93.0	94.8	96.3	97.4	97.9	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	93.0	94.9	96.4	97.7	98.2	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	93.0	95.0	96.6	97.8	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	93.0	95.0	96.6	97.8	98.4	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	93.0	95.0	96.6	97.8	98.4	98.9	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	93.0	95.0	96.6	97.8	98.4	98.9	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.0	95.0	96.6	97.8	98.4	98.9	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.0	95.0	96.6	97.8	98.4	98.9	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.6	47.1	47.6	47.8	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	54.9	55.5	56.0	56.2	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
GE 18000	55.0	55.7	56.1	56.4	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 16000	55.0	55.7	56.1	56.4	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 14000	55.6	56.2	56.7	56.9	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 12000	56.4	57.1	57.6	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 10000	57.4	58.1	58.6	58.9	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	57.8	58.5	59.1	59.4	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 8000	58.9	59.6	60.2	60.5	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 7000	59.3	60.1	60.7	61.0	61.4	61.4	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
GE 6000	60.3	61.0	61.6	61.9	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6
GE 5000	61.3	62.0	62.6	62.9	63.3	63.4	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6
GE 4500	62.2	62.9	63.5	63.9	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 4000	63.6	64.4	65.1	65.5	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 3500	65.6	66.6	67.4	67.8	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5
GE 3000	68.2	69.4	70.3	70.8	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 2500	71.3	72.5	73.6	74.2	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 2000	74.4	75.8	77.1	77.8	78.4	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1800	75.3	76.9	78.2	79.0	79.7	79.8	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 1500	78.8	80.8	82.3	83.3	84.0	84.2	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
GE 1200	82.0	84.2	86.0	87.3	88.4	88.7	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1000	84.0	86.4	88.5	90.3	91.6	92.1	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 900	84.9	87.4	89.7	91.8	93.2	93.7	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	85.3	87.9	90.5	92.7	94.4	94.9	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 700	85.6	88.3	90.9	93.3	95.2	95.8	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 600	85.8	88.5	91.2	93.7	95.8	96.5	97.2	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	85.8	88.6	91.3	93.9	96.1	96.8	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	85.8	88.6	91.4	94.0	96.2	97.0	98.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0
GE 300	85.8	88.6	91.4	94.0	96.2	97.1	98.1	98.8	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5
GE 200	85.8	88.6	91.4	94.0	96.2	97.1	98.2	98.8	99.0	99.4	99.5	99.6	99.7	99.8	99.8	99.8
GE 100	85.8	88.6	91.4	94.0	96.2	97.1	98.2	98.8	99.0	99.4	99.6	99.6	99.8	99.8	99.8	100.0
GE 000	85.8	88.6	91.4	94.0	96.2	97.1	98.2	98.8	99.0	99.4	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

PERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.0	39.1	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 20000	45.6	45.8	46.1	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 18000	45.7	45.9	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 16000	45.7	45.9	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 14000	45.7	45.9	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 12000	46.5	46.7	47.0	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 10000	47.6	48.1	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 9000	48.1	48.5	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 8000	48.5	48.9	49.2	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 7000	48.6	49.0	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 6000	49.4	49.8	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 5000	50.2	50.8	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 4500	51.8	52.4	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 4000	53.5	54.2	54.5	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 3500	54.4	55.1	55.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 3000	56.9	57.5	57.8	58.1	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
GE 2500	58.9	59.6	59.9	60.1	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6
GE 2000	62.0	63.0	63.3	63.5	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2
GE 1800	65.1	66.2	66.6	66.8	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
GE 1500	70.4	71.8	72.6	72.9	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5
GE 1200	79.9	81.9	84.3	85.3	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
GE 1000	84.5	86.8	90.3	91.5	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6
GE 900	85.1	87.4	91.3	92.7	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9
GE 800	86.5	88.9	93.0	94.5	95.4	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 700	87.4	89.9	94.1	95.7	96.6	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
GE 600	87.8	90.3	94.5	96.1	97.3	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
GE 500	87.8	90.3	94.6	96.2	97.4	98.0	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 400	87.8	90.3	94.6	96.2	97.4	98.0	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 300	87.8	90.3	94.6	96.2	97.4	98.0	98.7	98.9	98.9	99.2	99.5	99.8	99.8	99.8	100.0	100.0
GE 200	87.8	90.3	94.6	96.2	97.4	98.0	98.7	98.9	98.9	99.2	99.5	99.8	99.8	99.8	100.0	100.0
GE 100	87.8	90.3	94.6	96.2	97.4	98.0	98.7	98.9	98.9	99.2	99.5	99.8	99.8	99.8	100.0	100.0
GE 000	87.8	90.3	94.6	96.2	97.4	98.0	98.7	98.9	98.9	99.2	99.5	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.4	25.5	26.0	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
GE 20000	28.8	29.2	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 18000	28.8	29.2	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 16000	28.8	29.2	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 14000	28.9	29.4	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
GE 12000	29.6	30.0	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 10000	31.2	31.8	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 9000	31.8	32.5	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 8000	32.3	32.9	33.5	33.5	33.5	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 7000	32.4	33.0	33.7	33.7	33.7	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 6000	32.8	33.4	34.2	34.2	34.2	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 5000	33.7	34.3	35.1	35.1	35.1	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 4500	35.5	36.1	36.9	36.9	36.9	37.3	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 4000	36.3	37.1	37.8	37.8	37.8	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 3500	37.2	38.1	38.9	38.9	38.9	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 3000	38.5	39.4	40.3	40.3	40.3	40.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 2500	41.3	42.3	43.2	43.3	43.4	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 2000	44.0	45.1	46.3	46.8	47.1	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 1800	45.8	47.1	48.5	48.9	49.2	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 1500	53.9	55.9	57.3	58.0	58.3	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 1200	64.1	66.8	69.1	70.5	71.2	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 1000	70.4	73.8	78.8	81.5	82.8	83.3	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 900	73.1	77.0	82.5	85.4	86.8	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 800	74.7	78.9	84.5	88.1	89.6	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 700	76.3	80.8	86.9	90.6	92.8	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 600	76.9	81.4	87.8	92.0	94.5	95.3	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 500	77.2	82.0	88.7	93.3	96.1	96.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	77.3	82.2	88.8	93.7	96.8	97.5	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	77.3	82.2	88.8	93.7	96.8	97.5	98.3	98.9	99.0	99.0	99.2	99.4	99.4	99.4	99.5	99.5
GE 200	77.3	82.2	88.8	93.7	96.3	97.5	98.4	99.2	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 100	77.3	82.2	88.8	93.7	96.8	97.5	98.4	99.2	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 000	77.3	82.2	88.8	93.7	96.8	97.5	98.4	99.2	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.4	22.0	23.0	24.0	24.4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE 20000	24.5	25.3	26.7	27.6	28.1	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
GE 18000	24.5	25.3	26.7	27.6	28.1	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
GE 16000	24.5	25.3	26.7	27.7	28.3	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
GE 14000	24.7	25.5	26.9	28.0	28.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
GE 12000	25.1	25.8	27.4	28.5	29.1	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 10000	26.6	27.3	28.9	30.0	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 9000	27.3	28.1	29.7	30.8	31.4	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 8000	28.9	29.7	31.4	32.5	33.1	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 7000	29.2	30.0	31.7	32.8	33.4	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 6000	30.2	31.0	32.7	33.8	34.4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 5000	31.3	32.0	33.8	34.8	35.5	36.1	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 4500	32.5	33.2	35.1	36.1	36.8	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 4000	32.9	33.8	35.7	36.9	37.5	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 3500	33.5	34.4	36.3	37.6	38.3	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 3000	35.4	36.3	38.4	39.8	40.8	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 2500	38.2	39.7	42.0	43.5	44.6	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 2000	42.8	44.7	47.8	49.8	51.4	52.5	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 1800	44.3	46.6	50.0	52.8	54.6	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 1500	49.4	53.3	57.5	60.9	63.4	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 1200	55.5	60.3	66.1	71.2	75.1	77.0	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 1000	58.0	63.1	70.3	76.7	81.4	83.7	84.3	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 900	59.7	65.3	73.1	80.2	85.1	87.5	88.5	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 800	61.1	66.9	74.8	82.5	87.7	90.9	91.8	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
GE 700	61.3	67.3	75.5	83.4	89.2	92.9	94.3	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 600	61.3	67.3	75.6	83.8	89.9	93.7	95.3	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 500	61.3	67.4	75.8	84.0	90.3	94.4	96.3	97.5	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	61.4	67.5	75.9	84.1	90.5	94.6	96.6	98.1	98.1	98.3	98.5	98.6	98.6	98.6	98.6	98.6
GE 300	61.4	67.5	75.9	84.1	90.8	94.8	96.9	98.5	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7
GE 200	61.4	67.5	75.9	84.1	90.8	94.8	96.9	98.6	98.7	99.1	99.7	99.9	100.0	100.0	100.0	100.0
GE 100	61.4	67.5	75.9	84.1	90.8	94.8	96.9	98.6	98.7	99.1	99.7	99.9	100.0	100.0	100.0	100.0
GE 000	61.4	67.5	75.9	84.1	90.8	94.8	96.9	98.6	98.7	99.1	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.9	34.7	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	39.0	40.4	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000	39.0	40.4	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 16000	39.0	40.4	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 14000	39.9	41.3	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 12000	40.8	42.2	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 10000	42.4	43.8	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 9000	42.7	44.1	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 8000	43.4	44.8	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 7000	43.5	44.9	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 6000	43.9	45.3	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 5000	44.9	46.3	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 4500	46.8	48.3	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 4000	48.3	49.8	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 3500	50.8	52.3	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 3000	53.5	55.5	56.2	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 2500	60.2	63.0	64.1	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 2000	67.1	70.3	72.6	73.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 1800	68.9	73.0	75.6	76.7	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1500	73.9	78.9	82.0	83.9	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1200	77.5	83.0	86.6	88.7	91.2	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	78.9	84.5	88.7	91.8	94.8	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	79.4	85.1	89.4	92.5	95.9	96.2	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	79.4	85.2	89.5	92.7	96.2	96.6	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	79.6	85.4	90.0	93.4	97.2	97.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	79.6	85.4	90.1	93.5	97.3	97.8	98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	79.6	85.4	90.1	93.7	97.4	98.0	98.4	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	79.6	85.4	90.2	93.8	97.5	98.1	98.5	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	79.6	85.4	90.2	93.8	97.5	98.1	98.5	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.6	85.4	90.2	93.8	97.5	98.1	98.5	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.6	85.4	90.2	93.8	97.5	98.1	98.5	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.6	85.4	90.2	93.8	97.5	98.1	98.5	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	44.6	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	50.4	51.5	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	50.5	51.6	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	50.5	51.6	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	51.7	52.8	53.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 12000	52.9	54.0	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 10000	55.9	57.0	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	56.8	57.8	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 8000	58.2	59.2	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 7000	58.5	59.6	60.2	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 6000	58.6	59.7	60.3	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 5000	61.2	62.3	62.9	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4500	62.7	63.8	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4000	65.2	66.6	67.3	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 3500	70.5	72.6	73.5	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3000	78.9	81.5	82.7	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2500	84.4	87.5	88.8	89.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2000	87.1	90.6	92.3	93.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	87.3	91.1	92.7	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	88.6	92.6	94.4	95.4	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	89.2	93.2	95.5	96.5	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	89.4	93.3	95.6	96.8	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	89.5	93.4	95.8	97.0	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	89.5	93.4	95.8	97.0	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	89.5	93.4	95.8	97.0	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	89.5	93.4	95.8	97.0	99.0	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	89.5	93.4	95.8	97.0	99.0	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	89.5	93.4	95.8	97.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.5	93.4	95.8	97.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.5	93.4	95.8	97.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.5	93.4	95.8	97.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.5	93.4	95.8	97.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	50.4	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 20000	61.7	62.5	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 18000	62.2	62.9	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 16000	62.2	62.9	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 14000	62.8	63.5	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 12000	63.3	64.1	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 10000	66.3	67.1	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 9000	67.1	67.8	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 8000	68.6	69.4	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	69.4	70.1	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	70.2	71.0	72.2	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 5000	72.7	73.5	74.7	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4500	75.2	76.0	77.4	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 4000	79.8	80.9	82.5	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3500	84.8	85.9	87.5	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3000	89.9	91.2	93.1	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	90.8	92.2	94.1	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	91.4	93.3	95.3	96.0	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	91.6	93.5	95.6	96.3	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	92.7	94.7	97.0	98.0	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	92.8	94.8	97.3	98.4	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	93.0	95.1	97.5	98.6	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	93.0	95.1	97.5	98.6	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	93.0	95.1	97.5	98.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.0	95.1	97.5	98.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.3	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	69.6	71.3	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	69.7	71.4	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 16000	69.7	71.4	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	70.6	72.4	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 12000	71.3	73.0	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 10000	74.5	76.2	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 9000	75.5	77.2	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 8000	76.2	78.0	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 7000	77.3	79.0	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 6000	77.8	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 5000	79.5	81.2	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 4500	81.6	83.3	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	85.4	87.1	87.5	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3500	86.6	88.3	88.7	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	89.1	91.1	91.6	91.9	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2500	90.3	92.4	93.1	93.4	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	91.2	93.4	94.5	95.1	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	91.7	94.0	95.2	95.7	96.2	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	92.5	95.3	96.8	97.4	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 1200	92.9	95.8	97.4	98.1	98.9	99.0	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	92.9	95.9	97.5	98.2	99.1	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	92.9	95.9	97.5	98.2	99.1	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	92.9	95.9	97.5	98.2	99.1	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	92.9	95.9	97.5	98.2	99.1	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	92.9	96.0	97.6	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	92.9	96.0	97.6	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	92.9	96.0	97.6	98.3	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.9	96.0	97.6	98.3	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.9	96.0	97.6	98.3	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.9	96.0	97.6	98.3	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.9	96.0	97.6	98.3	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.9	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	65.9	66.6	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 18000	66.0	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 16000	66.0	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	66.1	66.8	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 12000	67.0	67.6	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 10000	68.5	69.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 9000	68.9	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 8000	69.5	70.1	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 7000	69.7	70.3	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 6000	70.5	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 5000	72.4	73.0	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	75.3	75.9	76.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4000	76.9	77.7	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	77.8	78.7	78.9	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3000	79.1	80.2	80.6	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	81.4	82.7	83.1	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	83.8	85.1	85.8	86.1	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	85.7	87.0	87.7	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1500	90.4	91.9	93.1	93.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	92.3	94.4	96.0	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	93.3	95.6	97.3	97.8	98.1	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	93.5	95.8	97.5	98.1	98.3	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	93.9	96.1	98.0	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	93.9	96.1	98.0	98.5	98.8	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	94.0	96.2	98.1	98.6	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	94.0	96.2	98.1	98.6	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	94.0	96.2	98.1	98.6	99.0	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	94.0	96.2	98.1	98.6	99.0	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	94.0	96.2	98.1	98.6	99.0	99.5	99.6	99.6	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 100	94.0	96.2	98.1	98.6	99.0	99.5	99.6	99.6	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 000	94.0	96.2	98.1	98.6	99.0	99.5	99.6	99.6	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.3	40.8	41.2	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 20000	48.2	49.1	49.7	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 18000	48.3	49.2	49.8	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 16000	48.3	49.2	49.8	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 14000	48.8	49.7	50.3	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 12000	49.5	50.4	51.1	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 10000	51.6	52.6	53.2	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 9000	52.3	53.2	53.9	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 8000	53.2	54.1	54.8	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 7000	53.6	54.5	55.2	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 6000	54.2	55.1	55.8	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 5000	55.7	56.7	57.4	57.7	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 4500	57.7	58.6	59.4	59.7	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4000	59.8	60.9	61.7	62.0	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 3500	62.0	63.2	64.0	64.4	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 3000	65.2	66.6	67.6	68.1	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 2500	68.2	69.9	71.0	71.6	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 2000	71.2	73.2	74.7	75.5	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 1800	72.6	74.8	76.5	77.3	78.0	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 1500	76.5	79.3	81.3	82.5	83.5	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1200	80.5	83.8	86.5	88.1	89.5	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3
GE 1000	82.6	86.0	89.5	91.6	93.3	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
GE 900	83.3	86.9	90.6	92.8	94.6	95.1	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	83.9	87.6	91.3	93.8	95.6	96.3	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	84.2	88.0	91.9	94.4	96.5	97.3	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	84.4	88.1	92.1	94.7	97.0	97.8	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	84.4	88.2	92.3	95.0	97.3	98.1	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	84.4	88.3	92.3	95.0	97.4	98.3	98.9	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	84.4	88.3	92.3	95.0	97.4	98.3	98.9	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9
GE 200	84.4	88.3	92.3	95.0	97.4	98.3	98.9	99.4	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	84.4	88.3	92.3	95.0	97.4	98.3	98.9	99.4	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	84.4	88.3	92.3	95.0	97.4	98.3	98.9	99.4	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	57.6	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 18000	57.6	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 16000	57.6	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	57.8	58.3	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 12000	58.1	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 10000	59.6	60.1	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 9000	59.6	60.1	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 8000	60.0	60.6	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 7000	60.2	60.8	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 6000	60.2	60.8	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	60.7	61.2	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 4500	61.2	61.8	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 4000	62.1	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 3500	62.7	63.2	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 3000	63.9	64.6	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 2500	66.1	66.8	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9
GE 2000	70.0	70.7	71.3	71.6	71.6	71.6	71.6	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9
GE 1800	72.7	73.3	74.0	74.2	74.2	74.2	74.2	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.6	74.6
GE 1500	82.9	83.7	84.4	84.7	84.7	84.7	84.8	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	89.1	90.1	90.9	91.1	91.3	91.3	91.4	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	92.1	93.1	94.0	94.2	94.4	94.4	94.6	94.7	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0
GE 900	93.3	94.7	95.6	95.8	96.2	96.2	96.3	96.4	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	95.0	96.6	97.4	97.7	98.2	98.2	98.3	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	95.3	97.0	98.0	98.2	98.8	98.8	98.9	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	95.4	97.1	98.1	98.6	99.1	99.1	99.2	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	95.4	97.2	98.4	98.7	99.2	99.2	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.4	97.2	98.4	98.7	99.2	99.2	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.4	97.2	98.4	98.7	99.2	99.2	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	97.2	98.4	98.7	99.2	99.2	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	97.2	98.4	98.7	99.2	99.2	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.4	97.2	98.4	98.7	99.2	99.2	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.4	31.1	31.8	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 20000	32.0	33.0	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 18000	32.0	33.0	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 16000	32.0	33.0	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 14000	32.1	33.1	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 12000	32.7	33.7	34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 10000	33.2	34.2	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 9000	33.2	34.2	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 8000	33.7	34.7	35.6	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 7000	33.7	34.7	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 6000	33.8	34.9	35.8	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 5000	34.7	35.8	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 4500	36.1	37.2	38.1	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 4000	36.8	38.0	38.9	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 3500	38.6	39.8	40.7	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 3000	39.9	41.2	42.1	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 2500	46.3	47.9	48.9	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 2000	51.4	53.0	54.1	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 1800	54.0	55.6	56.7	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 1500	61.8	63.3	64.7	65.1	65.2	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 1200	72.1	73.9	75.6	76.0	76.2	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 1000	79.8	82.1	84.0	84.4	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 900	83.0	85.8	88.0	88.6	88.9	89.1	89.2	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
GE 800	85.9	88.8	91.2	91.8	92.1	92.3	92.4	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9
GE 700	88.0	91.1	94.3	95.1	95.9	96.2	96.4	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	88.6	91.8	95.4	96.6	97.4	97.8	98.0	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	89.2	92.4	96.2	97.3	98.3	98.9	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	89.2	92.4	96.2	97.3	98.6	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.2	92.4	96.2	97.3	98.6	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.2	92.4	96.2	97.3	98.6	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.2	92.4	96.2	97.3	98.6	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.2	92.4	96.2	97.3	98.6	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.4	24.2	25.1	26.0	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
GE 20000	25.9	26.8	27.7	28.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 18000	25.9	26.8	27.7	28.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 16000	26.0	26.9	27.8	29.0	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 14000	26.2	27.1	28.0	29.2	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 12000	26.9	27.8	28.7	29.9	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 10000	28.0	28.9	29.8	31.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 9000	28.1	29.1	30.0	31.4	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 8000	29.4	30.4	31.3	32.8	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 7000	29.8	30.8	31.7	33.1	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 6000	30.0	31.0	31.9	33.3	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 5000	31.0	32.0	32.9	34.3	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 4500	31.6	32.6	33.4	34.9	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 4000	32.6	33.6	34.4	35.9	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 3500	33.4	34.4	35.3	36.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 3000	34.9	36.1	37.0	38.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 2500	41.0	42.4	43.5	45.2	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 2000	48.4	49.9	51.1	52.8	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 1800	50.9	52.4	53.6	55.2	56.4	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 1500	59.4	61.6	62.9	64.8	66.4	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 1200	70.1	73.2	75.2	77.2	79.2	79.4	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 1000	75.9	79.2	82.0	84.3	86.9	87.3	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 900	78.1	81.9	85.2	87.7	91.0	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 800	80.1	84.1	88.0	90.7	94.1	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 700	80.6	84.7	89.1	92.2	95.9	96.4	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	80.7	84.9	89.4	92.8	96.9	97.7	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	80.7	84.9	89.7	93.0	97.3	98.1	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	80.7	84.9	89.7	93.0	97.4	98.3	99.2	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	80.7	84.9	89.8	93.1	97.6	98.6	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	80.7	84.9	89.8	93.1	97.6	98.6	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.7	84.9	89.8	93.1	97.6	98.6	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.7	84.9	89.8	93.1	97.6	98.6	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 20000	48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 18000	48.9	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 16000	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 14000	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 12000	50.4	50.7	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 10000	53.1	53.4	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 9000	53.4	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 8000	54.4	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000	54.4	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 6000	54.4	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 5000	55.4	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 4500	56.3	56.6	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 4000	57.3	57.6	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 3500	59.8	60.2	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 3000	66.0	66.4	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 2500	75.3	75.9	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 2000	84.3	85.1	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1800	86.2	87.0	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1500	90.4	91.4	92.9	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200	93.2	94.3	95.9	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1000	94.4	95.7	97.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	94.7	95.9	97.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	94.8	96.0	97.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	94.8	96.0	97.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	94.8	96.0	97.9	99.1	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	94.8	96.0	97.9	99.1	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	94.8	96.0	97.9	99.1	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.8	96.0	97.9	99.1	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.8	96.0	97.9	99.1	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.8	96.0	97.9	99.1	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.8	96.0	97.9	99.1	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 20000	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 18000	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 16000	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 14000	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 12000	66.2	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 10000	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 9000	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 8000	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 5000	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	73.2	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	75.8	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3500	82.8	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 3000	91.6	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	94.3	95.1	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000	95.2	96.1	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	95.3	96.2	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	96.4	97.3	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	96.8	97.7	98.2	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	97.2	98.1	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.2	98.1	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.2	98.1	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.2	98.1	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	97.2	98.1	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.2	98.1	98.7	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.2	98.1	98.7	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.2	98.1	98.7	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.2	98.1	98.7	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.2	98.1	98.7	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.2	98.1	98.7	99.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 50

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 20000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 16000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 14000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 12000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 10000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 7000	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 6000	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 5000	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4500	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4000	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	96.0	96.2	96.3	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	96.8	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	97.2	97.4	97.8	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	97.4	97.7	98.0	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	97.6	97.8	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	97.8	98.0	98.3	98.4	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.2	98.6	98.9	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.2	98.6	98.9	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8
NO CEIL	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 20000	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 18000	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 16000	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 14000	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 10000	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 9000	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 7000	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 6000	91.2	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 5000	91.9	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4500	93.2	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 4000	95.2	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3500	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3000	98.1	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	98.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	98.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	98.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 20000	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 18000	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 16000	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 14000	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 12000	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 10000	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 9000	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 8000	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 7000	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 6000	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4500	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 4000	88.8	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 3500	90.7	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 3000	91.8	92.0	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	92.3	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000	94.0	94.2	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	94.7	94.9	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	96.3	96.6	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	97.2	97.4	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	98.0	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	98.6	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.0	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.2	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	58.9	59.2	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 18000	59.0	59.4	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 16000	59.1	59.5	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 14000	59.5	59.9	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 12000	60.3	60.7	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 10000	62.2	62.6	63.0	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 9000	62.5	62.9	63.3	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 8000	63.4	63.8	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	63.6	64.0	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 6000	63.8	64.3	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	64.7	65.2	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 4500	65.7	66.2	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000	67.2	67.7	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 3500	69.9	70.4	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3000	72.8	73.4	73.9	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 2500	76.3	77.0	77.6	78.0	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2000	79.9	80.6	81.3	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1800	81.2	82.0	82.7	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
GE 1500	85.4	86.3	87.2	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 1200	89.4	90.4	91.4	92.0	92.4	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	91.8	93.0	94.1	94.8	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	92.7	94.0	95.3	96.0	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	93.6	95.0	96.4	97.1	97.8	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	94.0	95.5	97.0	97.8	98.6	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	94.1	95.6	97.2	98.1	99.0	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	94.2	95.7	97.4	98.3	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	94.2	95.7	97.4	98.3	99.2	99.4	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	94.2	95.7	97.4	98.3	99.2	99.4	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	94.2	95.7	97.4	98.3	99.2	99.4	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	94.2	95.7	97.4	98.3	99.2	99.4	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	94.2	95.7	97.4	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 20000	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 18000	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 14000	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 12000	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 10000	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 9000	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 8000	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 7000	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 6000	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 5000	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3500	85.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2500	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800	90	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1500	93.5	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	96.0	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1000	98.1	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 900	98.1	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 800	98.3	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 700	98.3	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 600	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	98.6	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 55



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.2	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 20000	50.4	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 18000	50.5	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	50.5	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	51.3	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 12000	52.3	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	53.8	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	54.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 8000	54.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 7000	54.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 6000	54.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 5000	55.2	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 4500	55.4	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 4000	55.7	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 3500	55.8	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 3000	56.3	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 2500	58.7	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 2000	61.4	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 1800	62.8	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 1500	70.8	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 1200	82.9	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1000	92.9	94.3	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	93.7	95.1	95.8	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	95.3	96.8	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	95.7	97.2	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	96.3	97.8	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	96.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.6	98.1	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.0	39.4	40.8	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 20000	40.0	41.5	43.0	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 18000	40.0	41.5	43.0	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 16000	40.0	41.5	43.0	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 14000	40.5	42.0	43.5	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 12000	42.9	44.4	46.0	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 10000	44.6	46.1	47.8	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 9000	44.7	46.2	48.0	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 8000	45.7	47.2	49.0	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 7000	45.9	47.4	49.2	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 6000	45.9	47.4	49.2	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 5000	46.5	48.0	49.9	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 4500	46.7	48.2	50.1	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 4000	46.9	48.4	50.3	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 3500	47.7	49.2	51.2	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 3000	48.3	49.8	51.7	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 2500	50.3	51.9	53.9	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 2000	54.5	56.2	58.4	58.9	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 1800	56.5	58.2	60.4	61.0	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 1500	64.1	66.2	68.9	69.5	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 1200	78.5	81.0	84.2	84.7	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1000	85.9	88.6	92.3	92.8	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	87.1	90.0	94.1	94.6	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	87.3	90.6	94.8	95.5	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 700	87.7	91.5	96.0	96.8	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	88.6	92.5	97.1	98.0	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	88.8	92.7	97.3	98.2	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	88.8	92.7	97.3	98.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	88.8	92.7	97.3	98.2	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.8	92.7	97.3	98.2	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.8	92.7	97.3	98.2	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.8	92.7	97.3	98.2	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 57

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 20000	69.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 18000	69.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 16000	69.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 14000	70.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 12000	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	73.9	75.2	75.2	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	74.1	75.5	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 8000	75.5	76.9	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 7000	75.8	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	76.1	77.5	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 5000	76.6	78.0	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 4500	76.6	78.0	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 4000	77.3	78.7	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 3500	78.5	79.9	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3000	82.5	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	85.1	86.6	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2000	90.6	92.2	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1800	91.9	93.4	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	94.9	96.6	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	96.6	98.2	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	96.8	98.4	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	96.9	98.5	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	97.1	98.7	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.1	98.7	99.0	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	98.7	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 20000	82.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 16000	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 14000	82.9	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 12000	84.3	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 10000	87.0	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 9000	87.5	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 8000	88.8	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 7000	88.8	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 6000	89.1	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 5000	89.9	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	90.4	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 4000	91.8	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 3500	94.1	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3000	96.3	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	97.1	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	97.6	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	97.7	98.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	98.0	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	98.4	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.4	99.1	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	85.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 18000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 16000	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 14000	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 12000	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 10000	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 9000	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 7000	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 6000	93.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 5000	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	94.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3500	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	97.7	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.2	99.1	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	98.2	99.1	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.2	99.1	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.3	99.2	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	99.2	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 20000	87.2	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 18000	87.3	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 16000	87.5	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 14000	88.6	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 12000	90.5	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 10000	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 9000	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 8000	94.7	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 7000	94.9	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 6000	95.1	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 5000	95.4	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	95.9	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	96.7	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	98.5	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	98.5	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.5	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.5	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.7	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 20000	91.3	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 18000	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 16000	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 14000	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 12000	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 10000	94.9	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 9000	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 8000	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 7000	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 5000	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	97.5	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.3	67.9	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 20000	73.3	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 18000	73.4	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 16000	73.5	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 14000	74.2	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 12000	75.8	76.6	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 10000	78.0	78.0	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 8000	78.5	79.2	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 7000	79.1	80.0	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 6000	79.2	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 5000	79.4	80.3	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	80.0	80.9	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	80.2	81.2	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 3500	80.8	81.7	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	81.7	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	83.0	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 2000	84.1	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1800	86.0	87.0	87.4	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	86.8	87.8	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1200	89.6	90.6	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1000	93.6	94.7	95.3	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	96.0	97.2	97.9	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	96.3	97.5	98.2	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	96.6	97.8	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	96.7	98.0	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	96.9	98.3	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.0	98.3	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.0	98.3	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.0	98.3	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.0	98.3	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	97.0	98.3	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 20000	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 18000	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 14000	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 12000	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 10000	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 9000	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 8000	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 7000	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 6000	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 4500	86.9	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4000	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3500	87.8	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3000	88.1	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2500	88.5	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2000	89.8	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	90.3	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500	93.1	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	96.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	98.0	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	98.6	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.7	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 430

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 5

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE U
NO CEIL	54.1	54.8	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 20000	56.8	57.5	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	57.1	57.8	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	57.1	57.8	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	57.5	58.3	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 12000	58.4	59.1	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 10000	61.6	62.4	62.6	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 9000	62.0	62.8	63.0	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8000	63.1	63.9	64.1	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 7000	63.3	64.1	64.3	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 6000	63.5	64.3	64.5	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 5000	64.5	65.3	65.5	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4500	64.6	65.4	65.6	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 4000	64.7	65.6	65.8	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 3500	65.4	66.2	66.6	66.7	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 3000	66.1	67.0	67.3	67.4	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 2500	66.8	67.6	68.0	68.1	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 2000	68.9	69.8	70.1	70.2	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 1800	69.8	70.6	71.0	71.1	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 1500	78.5	79.5	79.8	79.9	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1200	89.2	90.2	90.8	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1000	95.5	96.5	97.4	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	96.3	97.3	98.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	97.0	98.0	99.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	97.2	98.2	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.2	98.2	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.2	98.3	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.2	98.3	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.2	98.3	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.2	98.3	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.2	98.3	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.2	98.3	99.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.2	43.7	45.7	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 20000	44.2	46.8	48.9	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	44.3	46.9	49.0	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 16000	44.3	46.9	49.0	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 14000	44.4	47.0	49.1	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 12000	45.1	47.7	50.0	50.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 10000	47.4	50.1	52.5	53.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 9000	47.7	50.4	52.8	53.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 8000	50.8	53.4	55.8	56.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 7000	50.9	53.5	55.9	56.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 6000	50.9	53.5	55.9	56.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 5000	51.0	53.7	56.1	57.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4500	51.1	53.8	56.2	57.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 4000	51.2	53.9	56.5	57.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 3500	51.3	54.0	56.6	57.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 3000	52.4	55.2	57.8	59.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 2500	53.5	56.3	59.0	60.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 2000	56.9	59.7	62.5	63.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 1800	58.4	61.2	64.0	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 1500	67.4	70.2	73.0	74.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 1200	78.7	81.8	84.8	86.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1000	86.5	90.0	93.3	94.8	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	87.6	91.2	94.5	96.0	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	88.4	92.0	95.6	97.1	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	89.0	92.7	96.2	97.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	89.0	92.7	96.2	97.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	89.1	92.8	96.3	98.0	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	89.1	93.0	96.6	98.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.1	93.0	96.6	98.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.1	93.0	96.6	98.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.1	93.0	96.6	98.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.1	93.0	96.6	98.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.8	64.6	65.5	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 20000	70.0	70.9	71.7	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 18000	70.1	71.0	71.8	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 16000	70.2	71.1	71.9	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 14000	71.0	71.8	72.7	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 12000	72.6	73.4	74.3	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 10000	75.1	76.1	77.1	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 9000	75.4	76.5	77.4	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 8000	77.1	78.2	79.1	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	77.3	78.4	79.4	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	77.5	78.6	79.6	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 5000	77.5	78.6	79.7	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4500	77.8	78.9	80.0	80.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4000	78.4	79.5	80.5	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 3500	78.8	80.1	81.3	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000	81.5	82.8	84.1	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	85.6	86.9	88.2	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2000	89.2	90.5	91.8	92.6	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	90.5	91.8	93.1	93.9	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1500	93.2	94.5	95.8	96.7	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	94.6	95.9	97.2	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	95.1	96.5	97.7	98.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	95.1	96.6	97.8	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.1	96.6	97.8	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.3	96.8	98.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.0	72.7	72.8	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 20000	80.6	81.3	81.4	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 18000	80.9	81.5	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 16000	80.9	81.5	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 14000	81.5	82.2	82.3	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 12000	83.3	84.0	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 10000	85.5	86.3	86.7	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 9000	86.1	87.0	87.3	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 8000	87.2	88.1	88.4	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 7000	87.5	88.4	88.7	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 6000	87.5	88.4	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 5000	88.1	88.9	89.2	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4500	88.6	89.5	89.8	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	89.9	90.3	91.1	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	93.0	94.1	94.4	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3000	95.9	97.0	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	96.1	97.2	97.5	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	96.6	97.6	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	96.6	97.6	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	96.9	98.0	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	96.9	98.1	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	97.1	98.3	98.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	97.1	98.3	98.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.1	98.3	98.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.1	98.3	98.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	98.3	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.9	70.3	70.8	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 20000	84.3	84.7	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 18000	84.5	84.9	85.4	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 16000	84.6	85.1	85.5	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 14000	85.5	85.9	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	87.0	87.4	87.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	90.4	91.2	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 9000	91.0	91.7	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 8000	92.6	93.3	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 7000	92.6	93.3	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 6000	92.8	93.5	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	92.9	93.7	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4500	93.3	94.2	94.7	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	94.7	95.6	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	96.0	96.9	97.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	96.5	97.4	98.3	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	96.6	97.5	98.4	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	96.6	97.5	98.5	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	96.6	97.5	98.5	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	96.6	97.5	98.5	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	96.8	97.7	98.7	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	96.8	97.7	98.7	98.9	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.2	72.0	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 20000	86.5	87.3	87.6	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 18000	86.7	87.5	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 16000	86.7	87.5	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 14000	87.7	88.6	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 12000	89.8	90.6	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 10000	92.6	93.5	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 9000	92.6	93.5	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 8000	93.8	94.8	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 7000	93.8	94.8	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 6000	93.9	94.9	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 5000	94.3	95.4	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 4500	95.2	96.2	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4000	96.1	97.2	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	96.7	97.7	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	96.8	97.8	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	96.9	98.0	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	96.9	98.0	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	96.9	98.0	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	97.1	98.2	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	97.1	98.2	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	97.2	98.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	97.2	98.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	97.2	98.3	98.9	99.2	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	97.2	98.3	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 70

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.1	83.4	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 20000	88.2	88.3	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 18000	88.4	88.7	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 16000	88.4	88.7	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 14000	88.4	88.7	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 12000	89.2	89.6	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 10000	92.6	92.9	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 9000	92.9	93.2	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 8000	94.1	94.4	94.7	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 7000	94.3	94.6	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 6000	94.5	94.8	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	95.3	95.6	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4500	95.4	95.7	96.0	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4000	96.1	96.5	96.8	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	96.5	96.8	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	96.7	97.0	97.3	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	96.7	97.0	97.5	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	96.9	97.2	97.7	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	96.9	97.2	97.7	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	97.1	97.4	98.0	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	97.4	97.7	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	97.5	97.8	98.4	98.8	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.0	98.3	98.8	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.2	67.0	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 20000	73.7	74.5	75.0	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 18000	73.9	74.7	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 16000	73.9	74.8	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 14000	74.5	75.3	75.9	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 12000	75.8	76.7	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 10000	78.7	79.7	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 9000	79.1	80.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 8000	80.6	81.6	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	80.8	81.7	82.4	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 6000	80.9	81.9	82.6	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 5000	81.3	82.3	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4500	81.6	82.6	83.3	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 4000	82.4	83.4	84.1	84.5	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3500	83.2	84.3	85.0	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3000	84.2	85.3	86.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	85.1	86.2	87.1	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	86.5	87.6	88.5	89.0	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1800	87.0	88.1	89.0	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1500	90.0	91.1	92.0	92.5	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1200	93.5	94.6	95.6	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	95.4	96.7	97.8	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	95.8	97.1	98.2	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	96.0	97.3	98.4	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 700	96.2	97.4	98.5	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.2	97.4	98.5	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.2	97.5	98.6	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	96.2	97.5	98.6	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.2	97.5	98.6	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.2	97.5	98.6	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.2	97.5	98.6	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.2	97.5	98.6	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.3	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 20000	65.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	65.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 16000	65.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	65.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 12000	66.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 10000	69.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 9000	69.1	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 8000	70.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 7000	70.9	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	71.2	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 5000	72.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	74.1	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	75.9	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3500	76.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	77.0	78.2	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2500	78.0	79.2	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	79.6	80.8	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	81.3	82.6	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1500	86.8	88.0	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	92.0	93.2	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	95.8	97.0	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	96.7	97.9	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	96.9	98.1	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	97.3	98.6	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	97.4	98.7	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	47.7	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	48.0	49.8	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 18000	48.0	49.8	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	48.0	49.8	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	48.2	50.0	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 12000	49.2	51.0	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 10000	50.9	52.7	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 9000	50.9	52.7	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 8000	52.4	54.2	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 7000	52.6	54.3	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	52.6	54.3	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 5000	53.4	55.3	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4500	54.6	56.4	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 4000	55.9	57.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 3500	57.2	59.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 3000	58.0	60.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 2500	60.0	62.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 2000	61.7	63.8	65.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 1800	64.1	66.2	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 1500	71.3	73.6	76.0	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 1200	81.0	83.4	86.0	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	88.9	91.4	94.3	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 900	90.1	92.7	95.7	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	91.2	94.0	97.1	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	92.3	95.2	98.4	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	92.3	95.4	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	92.3	95.4	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	92.3	95.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.3	95.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.3	95.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.3	95.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.3	95.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 74

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.7	44.2	45.9	47.3	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 20000	45.2	46.8	48.6	50.1	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 18000	45.2	46.8	48.6	50.1	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	45.2	46.8	48.6	50.1	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	45.7	47.2	49.0	50.6	51.6	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 12000	47.0	48.7	50.6	52.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 10000	48.2	49.9	51.8	53.3	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 9000	48.2	49.9	51.8	53.4	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	48.4	50.1	52.2	54.0	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 7000	48.6	50.2	52.4	54.2	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 6000	48.7	50.6	52.8	54.6	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 5000	49.3	51.2	53.4	55.2	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 4500	49.8	51.7	54.0	55.8	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 4000	51.0	53.0	55.3	57.2	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 3500	51.4	53.4	55.8	57.7	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 3000	51.8	53.8	56.1	58.1	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 2500	54.0	56.0	58.4	60.4	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 2000	57.0	59.2	61.7	64.0	65.7	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 1800	58.4	60.7	63.1	65.4	67.1	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 1500	63.8	66.6	69.4	72.0	73.8	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 1200	72.0	75.6	78.8	81.4	83.3	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1000	78.4	82.2	86.0	89.1	91.1	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 900	80.1	84.1	88.1	91.3	93.3	93.9	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	81.3	85.6	89.9	93.1	95.1	95.7	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	82.2	86.4	91.4	94.8	96.9	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	82.4	86.8	92.0	95.3	97.4	98.1	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 500	82.4	86.8	92.1	95.4	97.9	98.6	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	82.4	86.8	92.1	95.4	97.9	98.7	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	82.4	86.8	92.1	95.4	97.9	98.7	99.3	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	82.4	86.8	92.1	95.4	97.9	98.7	99.3	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	82.4	86.8	92.1	95.4	97.9	98.7	99.3	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	82.4	86.8	92.1	95.4	97.9	98.7	99.3	99.6	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.2	55.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	57.2	59.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 18000	57.2	59.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 16000	57.2	59.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	57.3	59.7	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	59.1	61.4	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	61.4	63.8	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 9000	61.8	64.1	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	62.9	65.2	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	63.1	65.4	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	63.2	65.6	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 5000	63.7	66.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 4500	64.0	66.3	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4000	65.4	67.8	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3500	66.4	68.8	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3000	70.6	72.9	74.1	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 2500	75.3	77.7	78.9	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	79.7	82.2	83.9	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1800	81.2	83.9	85.8	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	86.6	89.6	91.7	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1200	90.0	93.3	95.6	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000	91.1	94.6	97.0	98.0	98.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	91.3	94.8	97.3	98.3	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	91.3	94.8	97.3	98.3	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.6	95.0	97.6	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.0	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 20000	70.1	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	70.1	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 16000	70.1	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 14000	70.6	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 12000	73.2	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 10000	76.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 9000	77.2	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 8000	78.4	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 7000	79.0	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 6000	79.1	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 5000	80.1	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 4500	81.3	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	84.3	85.7	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3500	86.7	88.0	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000	92.4	93.9	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	93.7	95.1	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	95.8	97.3	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	95.9	97.4	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	96.6	98.1	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	96.7	98.2	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	96.8	98.3	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	96.8	98.3	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	96.8	98.3	99.2	99.2	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	96.8	98.3	99.2	99.2	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.8	98.3	99.2	99.2	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.9	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 20000	79.1	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 18000	79.3	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 16000	79.4	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 14000	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 12000	82.4	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 10000	86.7	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 9000	86.9	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 8000	87.9	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 7000	88.4	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 6000	88.4	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 5000	89.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 4500	90.1	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 4000	92.1	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	94.2	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	95.8	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	96.3	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	97.0	98.0	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	97.0	98.0	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	97.0	98.1	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	97.2	98.3	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	97.3	98.4	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	97.3	98.4	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	97.3	98.4	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	97.3	98.4	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.9	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 20000	81.8	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 18000	81.9	82.1	82.6	82.6	82.6	82.6	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 16000	82.2	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	83.0	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 12000	85.6	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 10000	87.9	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 9000	88.0	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 8000	89.2	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 7000	89.8	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 6000	89.9	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 5000	90.3	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	91.7	91.9	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	93.6	94.0	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	94.6	95.1	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3000	95.3	96.0	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	95.8	96.4	97.0	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	96.3	97.0	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	96.6	97.2	97.9	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	96.8	97.4	98.1	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	97.3	98.0	98.7	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	97.3	98.0	98.7	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.3	98.2	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 20000	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000	81.1	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 16000	81.1	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 14000	81.3	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 12000	83.4	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 10000	85.9	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 9000	86.2	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 8000	87.4	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 7000	87.8	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 6000	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 5000	89.4	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 4500	90.7	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4000	92.7	93.1	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 3500	92.9	93.3	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3000	93.3	93.8	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	93.9	94.3	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2000	94.3	94.8	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	95.1	95.6	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	96.1	97.2	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	97.8	98.2	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	98.1	98.7	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	98.3	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.4	99.0	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.4	99.0	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	99.1	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.2	61.3	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 20000	66.0	67.1	67.9	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	66.0	67.2	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	66.1	67.3	68.0	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 14000	66.6	67.7	68.4	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 12000	68.3	69.5	70.3	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 10000	70.8	72.0	72.8	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 9000	71.0	72.2	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 8000	72.2	73.4	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 7000	72.5	73.7	74.5	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 6000	72.7	73.9	74.7	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 5000	73.5	74.7	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4500	74.5	75.8	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 4000	76.4	77.7	78.6	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3500	77.5	78.8	79.8	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	79.3	80.6	81.7	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	80.9	82.3	83.3	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2000	82.7	84.1	85.3	85.8	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	83.7	85.2	86.4	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1500	86.9	88.6	89.9	90.5	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1200	90.5	92.3	93.7	94.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	93.0	94.8	96.4	97.1	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	93.5	95.4	97.1	97.7	98.2	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	93.8	95.8	97.5	98.2	98.7	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	94.2	96.2	98.0	98.7	99.1	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	94.2	96.3	98.1	98.8	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	94.2	96.3	98.2	98.9	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	94.2	96.3	98.2	98.9	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.2	96.3	98.2	98.9	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.2	96.3	98.2	98.9	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.2	96.3	98.2	98.9	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.2	96.3	98.2	98.9	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.8	56.1	56.2	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 20000	58.4	58.7	58.8	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	58.5	58.8	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 16000	58.5	58.8	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 14000	58.5	58.8	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 12000	59.0	59.4	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	60.2	60.5	60.6	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 9000	60.5	60.9	61.0	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	61.9	62.3	62.4	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 7000	62.5	62.8	62.9	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 6000	62.9	63.2	63.3	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 5000	64.4	64.7	64.8	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4500	65.9	66.2	66.3	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000	66.3	66.7	66.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 3500	67.0	67.3	67.4	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3000	68.5	69.0	69.1	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 2500	69.9	70.4	70.5	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 2000	73.0	73.9	74.1	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 1800	74.2	75.2	75.4	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 1500	79.5	80.4	81.2	82.0	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 1200	84.2	85.4	86.6	87.5	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	88.9	90.4	91.9	93.1	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 900	89.5	91.0	92.7	93.9	94.4	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	90.1	91.6	93.7	94.9	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 700	90.8	92.3	94.4	95.8	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	91.0	92.7	94.9	96.5	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	91.0	92.9	95.3	96.8	98.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	91.0	92.9	95.3	96.8	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	91.0	92.9	95.3	96.8	98.1	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 200	91.0	92.9	95.3	96.8	98.1	98.4	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	91.0	92.9	95.3	96.8	98.1	98.4	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 000	91.0	92.9	95.3	96.8	98.1	98.4	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	47.2	48.1	48.5	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 20000	47.0	47.8	48.7	49.1	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 18000	47.0	47.8	48.7	49.1	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 16000	47.0	48.0	48.8	49.2	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 14000	47.0	48.0	48.8	49.2	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	47.2	48.2	49.0	49.5	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 10000	48.5	49.5	50.3	50.8	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 9000	48.8	49.9	50.8	51.2	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 8000	49.8	50.9	51.7	52.2	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 7000	50.2	51.3	52.2	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 6000	50.8	51.9	52.8	53.2	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 5000	51.9	53.1	54.1	54.5	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 4500	52.8	54.0	54.9	55.4	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 4000	54.9	56.1	57.1	57.5	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 3500	56.2	57.5	58.5	58.9	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 3000	57.4	58.7	59.7	60.2	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 2500	59.6	60.9	61.9	62.6	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 2000	62.3	63.8	64.9	65.8	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 1800	63.5	65.1	66.2	67.1	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 1500	69.1	70.8	72.6	73.7	74.7	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 1200	75.3	77.4	79.7	80.8	81.8	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1000	78.7	81.4	84.4	85.5	86.9	87.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 900	80.9	84.0	87.1	88.3	89.8	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 800	82.4	85.6	89.0	90.2	91.9	92.0	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 700	83.1	86.5	90.1	91.6	93.5	93.8	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	83.7	87.1	91.3	93.5	95.6	95.8	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 500	83.9	87.4	91.9	94.3	96.7	96.9	97.4	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	83.9	87.4	91.9	94.5	97.1	97.3	98.1	98.6	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0
GE 300	83.9	87.5	92.0	94.6	97.3	97.5	98.3	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4
GE 200	83.9	87.5	92.0	94.6	97.3	97.5	98.3	98.9	99.1	99.4	99.6	99.6	99.6	99.8	99.9	99.9
GE 100	83.9	87.5	92.0	94.6	97.3	97.5	98.3	98.9	99.1	99.4	99.6	99.6	99.7	99.9	100.0	100.0
GE 000	83.9	87.5	92.0	94.6	97.3	97.5	98.3	98.9	99.1	99.4	99.6	99.6	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.6	38.1	39.2	40.5	41.2	41.6	41.8	41.9	41.9	42.0	42.3	42.3	42.3	42.3	42.3	42.3
GE 20000	39.7	40.1	41.6	43.1	43.8	44.2	44.4	44.7	44.7	44.8	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	39.9	40.3	41.8	43.3	44.0	44.4	44.6	44.9	44.9	45.1	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	39.9	40.3	41.8	43.3	44.0	44.4	44.6	44.9	44.9	45.1	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000	40.0	40.4	41.9	43.4	44.1	44.5	44.7	45.1	45.1	45.2	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	40.4	40.9	42.4	43.9	44.5	44.9	45.2	45.5	45.5	45.6	45.8	45.8	45.8	45.8	45.8	45.8
GE 10000	41.8	42.3	43.8	45.3	45.9	46.3	46.6	46.9	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2
GE 9000	42.2	42.6	44.1	45.7	46.3	46.8	47.0	47.3	47.3	47.4	47.6	47.6	47.6	47.6	47.6	47.6
GE 8000	43.4	44.0	45.5	47.1	47.7	48.2	48.5	48.8	48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.1
GE 7000	44.1	44.6	46.1	47.7	48.4	48.9	49.2	49.6	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9
GE 6000	44.3	44.8	46.3	48.0	48.6	49.1	49.5	49.8	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1
GE 5000	45.8	46.6	48.2	49.8	50.4	51.0	51.3	51.6	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9
GE 4500	47.0	47.7	49.4	51.0	51.7	52.3	52.6	53.0	53.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3
GE 4000	48.9	49.9	51.5	53.1	53.9	54.4	54.7	55.3	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6
GE 3500	49.9	51.0	52.6	54.3	55.1	55.6	55.9	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8
GE 3000	50.6	51.8	53.7	55.4	56.1	56.7	57.0	57.5	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.8
GE 2500	53.3	55.1	57.0	58.8	59.7	60.3	60.8	61.4	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7
GE 2000	56.1	58.0	60.2	62.0	63.2	64.1	64.5	65.2	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5
GE 1800	57.3	59.2	61.5	63.3	64.5	65.4	65.8	66.5	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8
GE 1500	60.5	62.8	65.5	67.3	68.6	69.6	70.0	70.6	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0
GE 1200	66.9	69.7	72.8	75.1	76.7	77.6	78.1	78.7	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0
GE 1000	71.3	74.2	77.7	80.5	82.8	83.8	84.2	84.8	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3
GE 900	71.9	75.3	79.0	82.0	84.3	85.4	85.8	86.5	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 800	73.3	77.3	81.5	84.7	87.2	88.4	89.0	89.7	89.8	90.1	90.3	90.3	90.4	90.4	90.4	90.4
GE 700	74.0	78.3	82.5	86.1	89.0	90.3	91.0	91.8	91.9	92.3	92.5	92.5	92.6	92.6	92.6	92.6
GE 600	74.5	78.8	83.2	87.2	90.4	92.2	92.9	93.9	94.0	94.3	94.5	94.5	94.6	94.6	94.6	94.6
GE 500	74.6	79.0	83.4	87.4	90.8	92.6	93.5	94.6	94.7	95.1	95.3	95.3	95.4	95.4	95.4	95.4
GE 400	74.6	79.0	83.5	87.5	90.9	93.0	94.4	95.8	96.2	96.7	97.2	97.2	97.3	97.3	97.3	97.3
GE 300	74.6	79.1	83.7	87.6	91.1	93.2	94.6	96.3	96.8	97.2	98.2	98.3	98.4	98.4	98.5	98.5
GE 200	74.6	79.1	83.7	87.7	91.2	93.3	94.8	96.6	97.1	97.5	98.6	98.7	98.9	98.9	99.0	99.1
GE 100	74.6	79.1	83.7	87.7	91.2	93.3	94.9	96.7	97.2	97.6	98.7	98.8	99.0	99.0	99.2	99.4
GE 000	74.6	79.1	83.7	87.7	91.2	93.3	94.9	96.7	97.2	97.6	98.7	98.8	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.3	43.5	44.5	44.8	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 20000	46.9	48.2	49.1	49.5	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 18000	47.2	48.5	49.5	49.8	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 16000	47.4	48.7	49.7	50.0	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 14000	48.3	49.6	50.5	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 12000	49.1	50.4	51.4	51.7	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 10000	50.8	52.0	53.1	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 9000	51.1	52.4	53.4	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 8000	52.5	53.8	54.8	55.2	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 7000	53.2	54.5	55.6	55.9	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 6000	53.3	54.6	55.7	56.0	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000	54.2	55.5	56.6	56.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 4500	55.4	56.8	57.8	58.2	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 4000	56.7	58.3	59.4	59.7	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 3500	58.1	59.9	61.1	61.5	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 3000	61.2	63.0	64.3	64.8	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 2500	66.0	68.2	69.7	70.6	71.1	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2000	71.2	73.7	75.4	76.3	76.8	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 1800	72.0	74.5	76.2	77.2	77.7	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1500	76.5	79.1	81.1	82.2	82.8	83	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1200	81.3	84.3	86.6	88.0	89.4		90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1000	83.1	86.2	88.8	90.3	92.2	92.5	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 900	83.5	86.8	89.7	91.5	93.3	93.7	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 800	84.4	87.7	90.9	92.8	94.8	95.2	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	84.9	88.4	91.6	93.8	96.0	96.3	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	85.1	88.6	91.8	94.0	96.6	96.9	97.4	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	85.1	88.7	91.9	94.2	97.0	97.3	98.1	98.3	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7
GE 400	85.1	88.8	92.0	94.3	97.4	97.7	98.6	98.8	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 300	85.1	88.9	92.2	94.4	97.5	97.8	98.7	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	85.1	88.9	92.2	94.4	97.5	97.8	98.7	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	85.1	88.9	92.2	94.4	97.5	97.8	98.7	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	85.1	88.9	92.2	94.4	97.5	97.8	98.7	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 20000	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 16000	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 12000	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 9000	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 8000	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 7000	68.4	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 6000	68.6	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 5000	69.4	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	70.0	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	72.6	72.9	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500	78.0	78.3	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3000	85.4	85.7	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2500	88.4	88.8	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	90.5	91.0	91.7	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800	90.9	91.3	92.0	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1500	92.9	93.4	94.2	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1200	93.8	94.3	95.2	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	94	95.7	96.9	97.7	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	95.1	95.9	97.1	98.0	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	95.1	96.1	97.3	98.2	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	95.1	96.1	97.4	98.4	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	95.1	96.1	97.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	95.1	96.1	97.4	98.6	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.1	96.1	97.4	98.6	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.1	96.1	97.4	98.6	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.1	96.1	97.4	98.6	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.1	96.1	97.4	98.6	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.1	96.1	97.4	98.6	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 20000	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 18000	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 16000	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 14000	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 12000	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 10000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 9000	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 8000	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 7000	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 6000	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 5000	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 4500	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	86.8	86.9	86.9	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	89.2	89.4	89.5	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 3000	92.4	92.5	92.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	93.7	93.9	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000	94.6	94.8	95.2	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	95.1	95.3	95.6	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	95.9	96.1	96.7	97.0	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	96.3	96.8	97.4	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	96.5	97.1	97.8	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	96.5	97.1	97.8	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	96.5	97.1	97.8	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	96.5	97.2	98.0	98.3	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	96.6	97.3	98.3	98.6	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	96.6	97.3	98.3	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	96.6	97.3	98.3	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 300	96.6	97.3	98.3	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	96.6	97.3	98.3	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	96.6	97.3	98.3	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	96.6	97.3	98.3	98.6	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 87



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 20000	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 18000	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 16000	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 14000	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 12000	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 10000	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 9000	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 7000	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 6000	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 5000	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4500	87.4	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	89.1	89.2	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3500	91.1	91.2	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	93.1	93.2	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	94.0	94.2	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	95.4	95.7	96.1	96.3	96.3	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	95.8	96.1	96.6	96.8	96.8	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	96.8	97.1	97.5	97.7	97.7	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	97.0	97.6	98.1	98.3	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	97.0	97.6	98.2	98.4	98.5	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	97.2	97.8	98.4	98.7	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	97.3	98.1	98.6	98.9	99.0	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	97.3	98.1	98.6	98.9	99.0	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 100	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0
GE 000	97.4	98.2	98.7	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.6	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 20000	72.2	72.3	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 18000	72.2	72.3	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 16000	72.2	72.3	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 14000	72.2	72.3	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	73.2	73.3	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10000	74.5	74.6	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 9000	74.9	75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 8000	75.9	76.0	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 7000	76.1	76.2	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	76.3	76.5	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 5000	77.5	77.6	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4500	78.8	78.9	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4000	80.1	80.2	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	81.5	81.6	81.8	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3000	82.7	82.8	83.1	83.2	83.3	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 2500	83.7	83.8	84.1	84.2	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	86.8	86.9	87.2	87.3	87.5	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	88.1	88.2	88.5	88.6	88.8	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	92.4	92.5	92.8	92.9	93.1	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1200	94.4	94.5	94.8	94.9	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1000	96.8	96.9	97.3	97.4	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	96.8	96.9	97.3	97.4	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	96.8	96.9	97.4	97.5	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	96.9	97.0	97.5	97.6	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	97.1	97.2	97.7	97.8	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	97.2	97.3	97.8	98.0	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	97.2	97.3	97.8	98.0	98.7	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	97.3	97.4	98.0	98.1	98.8	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	97.3	97.4	98.0	98.2	98.9	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 100	97.3	97.4	98.0	98.2	98.9	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0
GE 000	97.3	97.4	98.0	98.2	98.9	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 89

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	55.3	55.8	56.2	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9
GE 20000	59.7	60.1	60.6	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 18000	59.9	60.3	60.8	61.1	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 16000	59.9	60.4	60.9	61.2	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 14000	60.4	60.9	61.4	61.7	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 12000	61.2	61.7	62.2	62.5	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	62.8	63.2	63.8	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	63.1	63.6	64.1	64.5	64.7	64.7	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9
GE 8000	64.4	64.8	65.3	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 7000	64.9	65.4	65.9	66.3	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8
GE 6000	65.3	65.8	66.3	66.7	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	66.6	67.1	67.7	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 4500	67.7	68.2	68.8	69.2	69.4	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	69.4	70.0	70.6	71.0	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 3500	71.4	72.0	72.6	73.1	73.4	73.5	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7
GE 3000	73.9	74.6	75.3	75.7	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 2500	76.1	76.9	77.7	78.3	78.7	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
GE 2000	78.7	79.7	80.6	81.3	81.7	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1800	79.6	80.6	81.5	82.2	82.7	82.8	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2
GE 1500	82.9	84.0	85.2	86.0	86.5	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1200	86.1	87.5	88.9	89.8	90.5	90.7	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	88.4	89.9	91.6	92.6	93.6	93.9	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 900	88.9	90.6	92.4	93.5	94.5	94.7	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 800	89.5	91.3	93.3	94.4	95.5	95.8	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
GE 700	89.9	91.7	93.8	95.1	96.3	96.6	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	90.1	92.0	94.2	95.7	97.0	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	90.1	92.1	94.4	95.9	97.4	97.8	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7
GE 400	90.1	92.1	94.4	95.9	97.5	98.0	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2
GE 300	90.1	92.2	94.4	96.0	97.6	98.1	98.6	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.5
GE 200	90.1	92.2	94.4	96.0	97.6	98.1	98.6	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8
GE 100	90.1	92.2	94.4	96.0	97.6	98.1	98.7	99.1	99.3	99.4	99.7	99.7	99.8	99.8	99.9
GE 000	90.1	92.2	94.4	96.0	97.6	98.1	98.7	99.1	99.3	99.4	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

D - 2 - 90

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.4	45.8	46.3	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3
GE 20000	49.1	49.4	50.0	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0
GE 18000	49.1	49.4	50.0	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0
GE 16000	49.2	49.6	50.1	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1
GE 14000	49.2	49.6	50.1	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1
GE 12000	50.0	50.3	50.9	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
GE 10000	50.1	50.4	51.0	51.3	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.2	52.2	52.2	52.2
GE 9000	50.1	50.4	51.0	51.3	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.2	52.2	52.2	52.2
GE 8000	50.8	51.1	51.7	52.0	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.8	52.9	52.9	52.9	52.9
GE 7000	50.9	51.2	51.8	52.1	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.9	53.0	53.0	53.0	53.0
GE 6000	51.8	52.1	52.7	53.0	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.8	53.9	53.9	53.9	53.9
GE 5000	54.2	54.6	55.1	55.4	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.3	56.3	56.3	56.3
GE 4500	55.8	56.1	56.7	57.0	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.9	57.9	57.9	57.9
GE 4000	57.0	57.4	58.1	58.4	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.2	59.3	59.3	59.3	59.3
GE 3500	59.9	60.3	61.0	61.3	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1	62.2	62.2	62.2	62.2
GE 3000	61.4	61.9	62.6	62.9	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.7	63.8	63.8	63.8	63.8
GE 2500	65.1	65.7	66.4	66.8	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.8	67.9	67.9	67.9	67.9
GE 2000	66.3	67.0	67.9	68.2	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.3	69.4	69.4	69.4	69.4
GE 1800	67.2	67.9	68.9	69.2	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.3	70.4	70.4	70.4	70.4
GE 1500	72.2	73.0	74.1	74.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.1	76.1	76.1	76.1
GE 1200	77.0	78.0	79.3	80.1	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4
GE 1000	78.9	80.7	82.4	83.4	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.9	85.9	85.9	85.9
GE 900	79.9	81.8	84.0	85.6	87.4	87.7	87.8	87.8	87.9	87.9	87.9	88.0	88.1	88.1	88.1	88.1
GE 800	80.6	82.7	85.1	87.1	89.0	89.2	89.3	89.3	89.4	89.4	89.4	89.6	89.7	89.7	89.7	89.7
GE 700	81.2	83.6	86.4	88.7	91.2	91.4	91.6	91.6	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9
GE 600	81.7	84.2	87.1	89.4	92.3	92.6	93.0	93.0	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4
GE 500	81.9	84.6	87.4	90.1	93.2	93.7	94.3	94.3	94.7	94.7	94.7	94.8	95.0	95.0	95.0	95.0
GE 400	81.9	84.6	87.6	90.4	93.9	94.3	95.3	95.4	95.8	95.8	95.9	96.0	96.2	96.2	96.2	96.2
GE 300	81.9	84.6	87.6	90.4	93.9	94.3	95.7	96.3	97.0	97.1	97.3	97.4	97.7	97.7	97.7	97.7
GE 200	81.9	84.6	87.6	90.4	93.9	94.4	95.8	96.6	97.2	97.7	97.9	98.0	98.8	98.8	98.8	98.8
GE 100	81.9	84.6	87.6	90.4	93.9	94.4	95.8	96.6	97.2	97.7	97.9	98.0	98.9	98.9	98.9	99.0
GE 000	81.9	84.6	87.6	90.4	93.9	94.4	95.8	96.6	97.2	97.7	97.9	98.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.8	38.9	39.4	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 20000	41.8	41.9	42.6	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.6	43.6	43.6	43.6
GE 18000	41.9	42.0	42.7	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7
GE 16000	41.9	42.0	42.7	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7
GE 14000	41.9	42.0	42.7	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7
GE 12000	42.4	42.6	43.2	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2
GE 10000	42.7	42.8	43.4	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4
GE 9000	42.7	42.8	43.4	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4
GE 8000	42.9	43.0	43.7	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7
GE 7000	44.0	44.1	44.8	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8
GE 6000	46.0	46.1	46.8	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8
GE 5000	47.8	47.9	48.6	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6
GE 4500	48.8	48.9	49.6	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6
GE 4000	49.6	49.7	50.4	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6
GE 3500	50.9	51.0	51.9	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0
GE 3000	53.0	53.1	54.0	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.4	55.4	55.4
GE 2500	58.0	58.2	59.4	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	61.1	61.1	61.1	61.1
GE 2000	59.6	59.8	61.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.9	62.9	62.9	62.9
GE 1800	60.2	60.4	62.2	63.2	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7	64.0	64.0	64.0	64.0
GE 1500	65.3	65.9	68.1	69.2	69.6	69.7	69.9	69.9	69.9	69.9	69.9	70.0	70.3	70.3	70.3	70.3
GE 1200	69.7	70.3	73.8	75.2	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.4	76.4	76.4	76.4
GE 1000	71.0	71.9	76.1	77.8	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.9	79.2	79.2	79.2	79.2
GE 900	72.2	73.6	78.6	80.3	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.7	82.0	82.0	82.0	82.0
GE 800	73.2	74.9	80.0	82.4	83.3	83.7	83.9	83.9	83.9	83.9	83.9	84.0	84.3	84.3	84.3	84.3
GE 700	73.8	75.4	80.8	83.6	84.7	85.0	85.4	85.4	85.4	85.4	85.4	85.6	85.9	85.9	85.9	85.9
GE 600	74.6	76.6	82.1	85.0	86.9	87.3	88.3	88.3	88.3	88.4	88.4	88.6	88.9	88.9	88.9	88.9
GE 500	74.8	76.8	82.7	86.1	88.6	89.0	90.1	90.2	90.4	90.6	90.6	90.7	91.0	91.0	91.0	91.0
GE 400	74.8	76.8	82.7	86.1	88.9	89.4	91.0	91.9	92.2	92.4	92.6	92.7	93.0	93.0	93.0	93.0
GE 300	74.8	76.8	82.7	86.1	89.0	89.6	91.4	92.4	92.9	93.3	93.7	93.8	94.2	94.2	94.2	94.2
GE 200	74.8	76.8	82.7	86.1	89.0	89.6	91.6	92.8	93.3	93.9	94.7	94.8	96.0	96.1	96.3	96.3
GE 100	74.8	76.8	82.7	86.1	89.0	89.6	91.6	92.8	93.4	94.0	94.9	95.2	96.6	96.7	97.7	98.7
GE 000	74.8	76.8	82.7	86.1	89.0	89.6	91.6	92.8	93.4	94.0	94.9	95.2	96.6	96.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.7	36.9	37.2	37.6	37.7	37.8	37.9	38.0	38.0	38.0	38.0	38.1	38.2	38.2	38.2	38.2
GE 20000	38.8	39.2	39.6	40.0	40.1	40.2	40.3	40.4	40.4	40.4	40.4	40.6	40.7	40.7	40.7	40.7
GE 18000	39.0	39.4	39.8	40.2	40.3	40.4	40.6	40.7	40.7	40.7	40.7	40.8	40.9	40.9	40.9	40.9
GE 16000	39.0	39.4	39.8	40.2	40.3	40.4	40.6	40.7	40.7	40.7	40.7	40.8	40.9	40.9	40.9	40.9
GE 14000	39.0	39.4	39.8	40.2	40.3	40.4	40.6	40.7	40.7	40.7	40.7	40.8	40.9	40.9	40.9	40.9
GE 12000	39.1	39.6	39.9	40.3	40.4	40.6	40.7	40.8	40.8	40.8	40.8	40.9	41.0	41.0	41.0	41.0
GE 10000	39.6	40.2	40.7	41.1	41.2	41.3	41.4	41.6	41.6	41.6	41.6	41.7	41.8	41.8	41.8	41.8
GE 9000	40.0	40.7	41.1	41.6	41.7	41.8	41.9	42.0	42.0	42.0	42.0	42.1	42.2	42.2	42.2	42.2
GE 8000	40.6	41.2	41.7	42.1	42.2	42.3	42.4	42.6	42.6	42.6	42.6	42.7	42.8	42.8	42.8	42.8
GE 7000	41.3	42.0	42.4	42.9	43.0	43.1	43.2	43.3	43.3	43.3	43.3	43.4	43.6	43.6	43.6	43.6
GE 6000	42.6	43.2	43.7	44.1	44.2	44.3	44.4	44.6	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8
GE 5000	44.3	45.0	45.4	45.9	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.4	46.6	46.6	46.6	46.6
GE 4500	46.4	47.1	47.8	48.3	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.9	49.0	49.0	49.0	49.0
GE 4000	47.2	48.0	48.7	49.2	49.3	49.6	49.7	49.8	49.8	49.8	49.8	49.9	50.0	50.0	50.0	50.0
GE 3500	49.3	50.1	50.8	51.3	51.4	51.7	51.8	51.9	51.9	51.9	51.9	52.0	52.1	52.1	52.1	52.1
GE 3000	51.6	52.3	53.1	53.7	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.6	54.7	54.7	54.7	54.7
GE 2500	54.8	55.6	56.8	57.9	58.2	58.4	58.6	58.7	58.7	58.7	58.7	58.9	59.0	59.0	59.0	59.0
GE 2000	57.0	57.8	59.3	60.6	61.1	61.6	61.7	61.8	61.8	61.8	61.8	62.0	62.1	62.1	62.1	62.1
GE 1800	58.1	58.9	60.4	61.8	62.3	62.8	62.9	63.0	63.0	63.0	63.0	63.2	63.3	63.3	63.3	63.3
GE 1500	62.6	63.7	65.4	67.0	68.2	68.7	68.9	69.0	69.0	69.0	69.0	69.2	69.3	69.3	69.3	69.3
GE 1200	66.2	67.8	70.3	72.0	73.3	74.1	74.3	74.4	74.4	74.4	74.4	74.7	74.8	74.8	74.8	74.8
GE 1000	68.1	69.8	72.8	75.0	76.9	77.7	77.9	78.0	78.0	78.0	78.0	78.2	78.3	78.3	78.3	78.3
GE 900	68.8	71.0	74.3	77.0	79.3	80.1	80.3	80.6	80.6	80.6	80.6	80.8	80.9	80.9	80.9	80.9
GE 800	69.7	71.9	75.9	79.3	82.2	83.0	83.3	83.6	83.6	83.6	83.6	83.8	83.9	83.9	83.9	83.9
GE 700	70.1	72.3	76.6	80.1	83.7	84.4	85.0	85.2	85.2	85.2	85.2	85.4	85.6	85.6	85.6	85.6
GE 600	70.1	72.4	76.8	80.4	84.4	85.3	86.0	86.3	86.3	86.4	86.4	86.7	86.9	86.9	86.9	86.9
GE 500	70.1	72.6	77.2	81.1	85.7	86.9	87.8	88.2	88.4	88.6	88.6	88.8	89.2	89.2	89.2	89.2
GE 400	70.1	72.6	77.2	81.2	86.2	87.4	88.4	89.2	89.4	89.7	89.9	90.1	90.6	90.6	90.6	90.6
GE 300	70.1	72.6	77.2	81.2	86.3	87.8	89.0	89.9	90.3	91.1	91.4	91.7	92.3	92.3	92.4	92.4
GE 200	70.1	72.6	77.2	81.2	86.3	87.8	89.4	90.6	91.1	92.2	93.4	93.8	95.3	95.4	96.0	96.0
GE 100	70.1	72.6	77.2	81.2	86.3	87.9	89.8	91.0	91.7	93.0	94.2	94.6	96.4	97.0	97.9	98.8
GE 000	70.1	72.6	77.2	81.2	86.3	87.9	89.8	91.0	91.7	93.0	94.2	94.6	96.6	97.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.8	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 20000	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 18000	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	43.8	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 12000	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 10000	46.2	46.7	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 9000	46.7	47.2	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 8000	47.2	47.8	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 7000	47.6	48.1	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 6000	48.7	49.2	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 5000	49.6	50.1	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 4500	52.1	52.7	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 4000	54.0	54.7	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 3500	55.1	55.9	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 3000	57.4	58.3	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 2500	60.9	61.9	62.8	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 2000	65.4	66.8	67.9	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 1800	66.7	68.2	69.3	70.3	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 1500	70.3	72.1	73.4	75.0	75.6	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1200	74.6	76.9	79.2	81.1	81.9	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1000	76.1	78.7	81.3	83.8	84.8	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 900	76.1	78.8	82.2	85.0	86.1	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 800	76.4	79.2	83.2	86.4	87.6	88.2	88.4	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 700	77.0	79.8	83.8	87.1	89.0	90.0	90.3	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 600	77.1	79.9	84.0	87.4	90.0	91.4	91.3	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 500	77.2	80.0	84.2	87.7	91.0	92.6	93.1	93.8	93.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 400	77.3	80.1	84.4	87.9	91.4	93.0	93.9	94.8	95.3	96.4	96.7	96.7	96.8	96.8	96.8	96.8
GE 300	77.3	80.1	84.4	87.9	91.4	93.0	93.9	94.8	95.4	96.9	97.4	97.4	97.6	97.7	97.8	97.8
GE 200	77.3	80.1	84.4	87.9	91.4	93.0	93.9	94.8	95.4	97.0	97.9	98.0	98.7	98.8	99.2	99.2
GE 100	77.3	80.1	84.4	87.9	91.4	93.0	93.9	94.8	95.4	97.0	97.9	98.0	98.7	98.9	99.6	100.0
GE 000	77.3	80.1	84.4	87.9	91.4	93.0	93.9	94.8	95.4	97.0	97.9	98.0	98.7	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 20000	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 16000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 14000	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12000	60.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	61.4	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	61.9	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 8000	62.4	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 7000	62.7	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 6000	62.7	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 5000	63.9	64.6	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	65.4	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	67.4	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3500	70.6	71.3	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3000	75.4	76.2	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 2500	79.9	80.8	81.2	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2000	84.2	85.1	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	85.3	86.2	86.9	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1500	87.7	88.9	89.9	90.3	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1200	89.7	91.0	92.6	93.2	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	90.4	92.0	94.1	94.9	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	90.7	92.3	94.7	95.6	96.2	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	90.7	92.3	94.7	95.7	96.3	96.4	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	90.9	92.6	94.9	96.3	97.1	97.2	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 600	90.9	92.6	94.9	96.3	97.1	97.6	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	90.9	92.6	94.9	96.3	97.4	97.9	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	90.9	92.6	94.9	96.3	97.4	97.9	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	90.9	92.6	94.9	96.3	97.4	97.9	98.8	99.2	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	90.9	92.6	94.9	96.3	97.4	97.9	98.8	99.2	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	90.9	92.6	94.9	96.3	97.4	97.9	98.8	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	90.9	92.6	94.9	96.3	97.4	97.9	98.8	99.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	55.9	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 20000	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 18000	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 16000	67.7	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	68.3	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 12000	69.3	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 10000	70.7	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 9000	70.9	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 8000	71.3	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	71.9	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 6000	72.4	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 5000	73.2	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	75.1	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4000	78.3	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3500	81.2	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	84.7	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	88.1	89.1	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000	90.3	91.8	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1800	91.2	92.7	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	91.9	93.3	93.9	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	92.6	94.1	94.9	95.1	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	93.1	94.7	95.7	96.0	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	93.1	94.9	96.0	96.6	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	93.2	95.0	96.1	96.7	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	93.2	95.0	96.1	96.7	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	93.3	95.1	96.3	96.9	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	93.3	95.3	96.6	97.1	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	93.3	95.3	96.6	97.1	98.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	93.3	95.3	96.6	97.1	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.3	95.3	96.6	97.1	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.3	95.3	96.6	97.1	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.3	95.3	96.6	97.1	98.6	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 96

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.1	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 20000	66.1	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 18000	66.4	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	66.4	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 14000	66.4	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	66.7	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 10000	68.2	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 9000	68.3	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 8000	69.7	70.4	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	70.1	70.9	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 6000	71.9	72.7	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 5000	73.9	74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4500	75.1	75.9	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 4000	77.1	77.9	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	79.2	80.0	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3000	82.0	82.8	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	84.8	85.6	86.6	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	87.6	88.3	89.3	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1800	88.1	88.9	90.0	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1500	90.4	91.4	92.9	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	90.8	91.8	93.2	94.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	91.4	92.8	94.3	95.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	91.4	93.1	94.7	95.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	91.6	93.2	95.0	96.1	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	91.6	93.2	95.1	96.2	97.3	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	91.8	93.4	95.6	96.7	97.8	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	91.8	93.4	95.6	96.8	98.1	98.7	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	91.8	93.4	95.6	96.8	98.1	98.7	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	91.8	93.4	95.6	96.8	98.1	98.7	99.3	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	91.8	93.4	95.6	96.8	98.1	98.7	99.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.8	93.4	95.6	96.8	98.1	98.7	99.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.8	93.4	95.6	96.8	98.1	98.7	99.3	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 97

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.6	55.8	56.2	56.4	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9
GE 20000	60.8	61.1	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2
GE 18000	60.9	61.2	61.7	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3
GE 16000	60.9	61.2	61.7	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3
GE 14000	61.0	61.3	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4
GE 12000	61.1	61.4	61.9	62.1	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6
GE 10000	61.8	62.1	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2
GE 9000	61.9	62.2	62.7	62.9	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3
GE 8000	62.6	62.9	63.3	63.6	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0
GE 7000	63.0	63.3	63.8	64.0	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4
GE 6000	64.3	64.7	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8
GE 5000	66.1	66.4	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6
GE 4500	68.3	68.7	69.1	69.4	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9	69.9
GE 4000	70.2	70.6	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8
GE 3500	72.3	72.7	73.1	73.4	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9
GE 3000	74.4	74.9	75.3	75.7	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 2500	76.1	76.6	77.0	77.3	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8
GE 2000	79.2	79.7	80.6	81.2	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7
GE 1800	79.8	80.2	81.1	81.8	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2
GE 1500	85.2	85.7	86.8	87.6	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0
GE 1200	85.8	86.4	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9
GE 1000	88.3	89.3	90.8	91.6	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2
GE 900	88.9	89.9	91.4	92.3	92.8	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2
GE 800	89.6	90.6	92.6	93.6	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6
GE 700	89.9	91.1	93.1	94.1	95.2	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 600	90.2	91.7	93.7	95.0	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 500	90.4	91.9	94.0	95.3	96.8	96.9	97.3	97.4	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8
GE 400	90.4	91.9	94.0	95.3	96.9	97.0	97.4	97.6	97.6	97.7	97.9	97.9	98.0	98.0	98.0	98.0
GE 300	90.4	91.9	94.0	95.3	96.9	97.0	97.7	97.9	98.0	98.3	98.8	98.9	99.0	99.0	99.0	99.0
GE 200	90.4	91.9	94.0	95.3	96.9	97.1	97.8	98.1	98.2	98.6	99.2	99.4	99.8	99.8	99.8	99.8
GE 100	90.4	91.9	94.0	95.3	96.9	97.1	97.8	98.1	98.2	98.6	99.2	99.4	99.8	99.8	99.8	99.9
GE 000	90.4	91.9	94.0	95.3	96.9	97.1	97.8	98.1	98.2	98.6	99.2	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.5	47.9	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 20000	53.3	53.7	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
GE 18000	53.4	53.8	54.2	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 16000	53.4	53.9	54.2	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7
GE 14000	53.6	54.0	54.3	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8
GE 12000	54.3	54.7	55.1	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
GE 10000	55.1	55.6	55.9	56.1	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 9000	55.3	55.8	56.2	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
GE 8000	55.9	56.4	56.8	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4
GE 7000	56.4	56.9	57.3	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 6000	57.5	58.0	58.4	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 5000	59.1	59.6	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6
GE 4500	60.9	61.4	61.8	62.1	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4000	62.6	63.2	63.6	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
GE 3500	64.8	65.4	65.9	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6
GE 3000	67.5	68.1	68.7	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4
GE 2500	71.0	71.7	72.5	73.0	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5
GE 2000	73.7	74.5	75.5	76.2	76.5	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8
GE 1800	74.6	75.4	76.5	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8
GE 1500	78.2	79.3	80.6	81.4	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.5	82.5	82.5	82.5
GE 1200	80.8	82.0	83.9	84.9	85.2	86.0	86.2	86.2	86.2	86.2	86.2	86.3	86.4	86.4	86.4	86.4
GE 1000	82.2	83.7	85.9	87.2	88.3	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
GE 900	82.6	84.4	87.0	88.5	89.7	90.0	90.2	90.3	90.3	90.3	90.3	90.4	90.5	90.5	90.5	90.5
GE 800	83.1	85.0	87.8	89.7	91.0	91.3	91.5	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 700	83.5	85.4	88.3	90.3	92.0	92.5	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 600	83.7	85.7	88.8	90.9	92.9	93.5	93.9	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 500	83.8	85.9	89.1	91.3	93.7	94.3	95.0	95.2	95.3	95.5	95.6	95.6	95.8	95.8	95.8	95.8
GE 400	83.8	85.9	89.1	91.4	93.9	94.7	95.5	95.9	96.2	96.4	96.5	96.6	96.7	96.7	96.7	96.7
GE 300	83.8	85.9	89.1	91.4	94.0	94.7	95.7	96.2	96.6	97.0	97.3	97.4	97.6	97.6	97.6	97.6
GE 200	83.8	85.9	89.1	91.4	94.0	94.7	95.8	96.4	96.8	97.3	97.9	98.0	98.6	98.6	98.8	98.8
GE 100	83.8	85.9	89.1	91.4	94.0	94.8	95.8	96.4	96.9	97.4	98.0	98.2	98.8	98.9	99.2	99.5
GE 000	83.8	85.9	89.1	91.4	94.0	94.8	95.8	96.4	96.9	97.4	98.0	98.2	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.7	48.2	48.5	49.0	49.2	49.4	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	51.1	51.5	52.0	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 18000	51.1	51.5	52.0	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 16000	51.1	51.5	52.0	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 14000	51.5	51.9	52.5	53.0	53.2	53.3	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 12000	51.9	52.4	52.9	53.4	53.7	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 10000	52.9	53.3	53.9	54.4	54.6	54.7	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 9000	53.0	53.4	54.0	54.5	54.7	54.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 8000	53.9	54.3	54.8	55.5	55.7	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 7000	54.4	54.8	55.4	56.0	56.2	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 6000	55.5	55.9	56.8	57.4	57.6	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 5000	57.1	57.5	58.4	59.0	59.2	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4500	58.1	58.5	59.4	60.0	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 4000	59.6	60.0	61.0	61.7	62.0	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 3500	60.9	61.3	62.3	63.0	63.3	63.4	63.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 3000	63.9	64.4	65.4	66.1	66.6	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 2500	65.7	66.2	67.2	68.0	68.5	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 2000	68.7	69.5	70.4	71.2	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 1800	70.1	70.9	71.8	72.6	73.1	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 1500	73.2	74.1	75.1	75.9	76.6	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1200	76.1	77.1	78.4	79.2	80.0	80.2	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1000	77.6	78.6	80.0	80.9	81.8	82.0	82.3	82.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 900	79.4	80.5	82.3	83.5	84.6	84.9	85.5	85.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9
GE 800	79.7	80.9	82.9	84.2	85.4	85.7	86.3	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 700	80.5	82.2	84.8	86.3	87.5	88.1	88.9	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 600	80.9	82.8	86.0	87.6	89.0	89.7	90.8	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
GE 500	80.9	82.8	86.0	87.7	89.1	90.1	91.4	91.8	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4
GE 400	80.9	82.8	86.1	87.8	89.2	90.3	91.7	92.6	92.8	93.4	93.7	93.7	93.7	93.7	93.7	93.7
GE 300	80.9	82.8	86.1	87.8	89.6	90.6	92.2	93.3	93.5	94.6	94.9	94.9	95.1	95.1	95.1	95.1
GE 200	80.9	82.8	86.1	87.8	89.6	90.6	92.3	93.5	93.8	95.2	95.8	95.8	96.7	96.8	97.1	97.2
GE 100	80.9	82.8	86.1	87.8	89.7	90.8	92.4	93.7	93.9	95.3	95.9	96.0	97.2	97.3	98.3	98.7
GE 000	80.9	82.8	86.1	87.8	89.7	90.8	92.4	93.7	93.9	95.3	95.9	96.0	97.2	97.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 100

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.9	43.1	44.0	44.2	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.6	44.9
GE 20000	47.2	47.4	48.3	48.5	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.9	49.2
GE 18000	47.5	47.7	48.6	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.2	49.6
GE 16000	47.5	47.7	48.6	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.2	49.6
GE 14000	48.0	48.2	49.0	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.7	50.0
GE 12000	48.4	48.7	49.6	49.8	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.2	50.5
GE 10000	48.8	49.1	50.0	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.6	51.0
GE 9000	49.0	49.4	50.2	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.8	50.9	51.2
GE 8000	49.2	49.6	50.4	50.6	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.2	51.5
GE 7000	49.8	50.1	51.0	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.7	52.0
GE 6000	50.4	50.8	51.6	51.8	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.6	52.9
GE 5000	53.3	53.7	54.5	54.9	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.7	56.0
GE 4500	54.0	54.3	55.4	55.8	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.6	56.9
GE 4000	55.5	55.9	57.0	57.4	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.2	58.5
GE 3500	57.1	57.5	58.6	59.0	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8	60.1
GE 3000	59.7	60.2	61.3	61.7	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.8
GE 2500	62.7	63.2	64.6	65.2	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.9	66.2
GE 2000	65.1	65.8	67.5	68.1	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.9	69.2
GE 1800	66.6	67.5	69.2	69.8	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.6	71.0
GE 1500	69.5	70.5	72.3	72.8	73.3	73.4	73.5	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.1	74.4
GE 1200	71.8	73.0	74.8	75.7	76.5	76.7	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4	77.7
GE 1000	72.8	74.2	76.1	77.2	78.4	78.6	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.5	79.8
GE 900	74.5	76.7	78.8	79.9	81.3	81.5	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.5	82.8
GE 800	74.9	77.2	79.4	80.8	82.4	82.6	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.7	84.0
GE 700	75.2	77.4	79.8	81.7	83.7	84.4	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.5	85.8
GE 600	75.5	78.1	81.0	82.9	84.9	85.7	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.2	87.5
GE 500	75.9	78.5	81.4	83.5	85.9	86.7	87.8	88.5	88.5	88.6	88.6	88.6	88.6	88.8	88.9	89.2
GE 400	75.9	78.5	81.5	84.2	86.8	87.6	88.9	90.0	90.0	90.4	90.4	90.4	90.4	90.6	90.8	91.1
GE 300	75.9	78.5	81.5	84.4	87.3	88.3	89.8	91.3	91.5	92.7	93.3	93.3	93.4	93.7	93.8	94.1
GE 200	75.9	78.5	81.5	84.4	87.3	88.3	89.9	91.6	92.0	93.2	94.0	94.0	94.1	94.5	95.3	95.8
GE 100	75.9	78.5	81.6	84.5	87.4	88.4	90.0	91.7	92.2	93.3	94.2	94.2	94.5	95.2	97.1	98.6
GE 000	75.9	78.5	81.6	84.5	87.4	88.4	90.0	91.7	92.2	93.3	94.2	94.2	94.5	95.2	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 101

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY FB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.1	39.4	39.9	40.8	41.2	41.2	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.9	42.5
GE 20000	43.0	43.2	43.9	44.7	45.2	45.2	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	46.5
GE 18000	43.4	43.7	44.3	45.2	45.6	45.6	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.9
GE 16000	43.4	43.7	44.3	45.2	45.6	45.6	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.9
GE 14000	43.7	43.9	44.5	45.4	45.8	45.8	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.6	47.1
GE 12000	44.3	44.6	45.3	46.1	46.6	46.6	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.3	47.8
GE 10000	45.4	45.7	46.3	47.2	47.6	47.6	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.9
GE 9000	45.6	45.9	46.6	47.4	47.8	47.8	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.6	49.1
GE 8000	46.5	46.8	47.4	48.3	48.8	48.8	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6	50.1
GE 7000	47.1	47.4	48.1	49.0	49.6	49.6	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.9
GE 6000	48.2	48.6	49.2	50.2	50.8	50.8	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	52.0
GE 5000	50.6	51.1	51.7	52.8	53.4	53.4	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2	54.7
GE 4500	52.0	52.5	53.1	54.3	54.9	54.9	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.7	56.2
GE 4000	52.8	53.2	53.9	55.2	55.8	55.8	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.6	57.1
GE 3500	54.7	55.3	55.9	57.2	58.0	58.0	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	59.2
GE 3000	56.8	57.4	58.2	59.5	60.2	60.2	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.0	61.5
GE 2500	60.0	61.0	62.0	63.4	64.2	64.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.6
GE 2000	63.5	64.5	65.6	67.0	67.7	67.7	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	69.1
GE 1800	64.4	65.4	66.5	67.8	68.6	68.6	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.5	70.0
GE 1500	66.9	68.5	69.8	71.3	72.2	72.2	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.8
GE 1200	68.9	70.9	72.6	74.3	75.6	75.7	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	77.3
GE 1000	70.0	72.6	74.6	76.9	78.3	78.6	78.9	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.9	80.4
GE 900	71.0	73.9	76.1	78.4	79.9	80.4	80.9	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.8	82.4
GE 800	71.5	74.5	77.0	79.6	81.2	81.8	82.6	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.8	84.3
GE 700	72.5	75.5	78.0	80.8	82.7	83.8	84.6	85.7	85.7	85.9	85.9	85.9	85.9	85.9	86.1	86.7
GE 600	72.5	75.7	78.7	81.5	83.5	84.8	86.0	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.7	88.3
GE 500	72.5	75.7	79.1	82.2	84.4	85.8	87.5	89.2	89.2	89.6	89.7	89.7	89.7	89.8	90.0	90.5
GE 400	72.5	75.8	79.5	82.7	85.3	87.2	89.5	91.5	91.7	92.0	92.2	92.2	92.3	92.3	92.5	93.0
GE 300	72.5	75.8	79.5	82.7	85.4	87.5	89.8	92.0	92.5	93.1	93.8	93.8	94.1	94.2	94.6	95.3
GE 200	72.5	75.8	79.5	82.7	85.5	87.6	89.9	92.2	92.7	93.7	94.4	94.4	94.4	95.1	95.3	95.8
GE 100	72.5	75.8	79.5	82.7	85.6	87.7	90.0	92.3	92.8	93.8	94.5	94.5	95.4	96.0	97.1	98.9
GE 000	72.5	75.8	79.5	82.7	85.6	87.7	90.0	92.3	92.8	93.8	94.5	94.5	95.4	96.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.9	40.2	40.6	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4
GE 20000	44.7	45.1	45.5	45.7	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.5
GE 18000	44.9	45.3	45.7	45.9	46.1	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.7
GE 16000	44.9	45.3	45.7	45.9	46.1	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.7
GE 14000	46.1	46.5	46.9	47.1	47.3	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.8
GE 12000	46.9	47.3	47.7	48.0	48.2	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7
GE 10000	48.2	48.6	49.0	49.2	49.5	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0
GE 9000	48.3	48.7	49.1	49.4	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1
GE 8000	48.7	49.2	49.7	49.9	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.6
GE 7000	49.1	49.7	50.1	50.3	50.5	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.1
GE 6000	50.4	51.3	51.7	51.9	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.7
GE 5000	52.6	53.7	54.3	54.6	55.1	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.7
GE 4500	54.0	55.2	55.8	56.1	56.6	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.2
GE 4000	55.2	56.3	57.0	57.3	57.7	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4
GE 3500	56.6	57.7	58.5	58.8	59.2	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.0
GE 3000	58.4	59.9	60.6	61.0	61.4	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.2
GE 2500	61.6	63.3	64.1	64.4	64.9	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9
GE 2000	64.7	66.8	67.8	68.2	69.0	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1
GE 1800	65.2	67.3	68.5	68.8	69.8	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9
GE 1500	69.1	71.4	72.8	73.7	75.1	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3
GE 1200	72.4	74.7	76.3	77.4	79.4	80.2	80.4	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.2
GE 1000	73.9	76.9	78.7	80.0	82.2	83.1	83.4	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.2
GE 900	74.5	77.6	79.8	81.2	84.0	85.2	85.5	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.2
GE 800	74.8	78.0	80.2	81.8	85.4	86.6	86.9	87.3	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.8
GE 700	75.4	78.5	80.9	82.6	86.6	88.2	88.8	89.5	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.4
GE 600	75.4	78.6	81.5	83.3	87.4	89.2	90.1	90.8	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.9
GE 500	75.6	78.8	81.7	83.7	88.4	90.4	91.6	92.4	93.0	93.4	93.9	93.9	93.9	93.9	93.9	94.1
GE 400	75.6	78.8	81.7	83.8	88.6	90.9	92.2	93.2	93.9	94.3	95.1	95.1	95.1	95.1	95.1	95.3
GE 300	75.6	78.8	81.7	83.8	88.7	91.0	92.6	93.9	94.7	95.4	96.5	96.6	96.7	96.7	96.7	96.9
GE 200	75.6	78.8	81.7	83.8	88.7	91.0	92.7	94.1	95.1	95.7	97.0	97.1	97.5	97.7	98.0	98.2
GE 100	75.6	78.8	81.7	83.8	88.7	91.0	92.7	94.1	95.1	95.7	97.0	97.1	97.5	97.7	98.6	99.8
GE 000	75.6	78.8	81.7	83.8	88.7	91.0	92.7	94.1	95.1	95.7	97.0	97.1	97.5	97.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 18000	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 12000	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 9000	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 8000	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 7000	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 6000	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 5000	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 4500	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4000	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 3500	69.0	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3000	71.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 2500	74.6	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 2000	77.7	79.2	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1800	79.5	81.0	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1500	82.8	85.1	85.5	85.9	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1200	85.1	87.5	88.3	88.8	89.5	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1000	85.8	88.3	89.2	90.0	91.0	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 900	86.2	88.7	90.1	90.9	92.0	92.5	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 800	86.3	88.9	90.6	91.5	92.9	93.4	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 700	86.6	89.1	91.1	92.2	93.5	94.3	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 600	86.6	89.2	91.3	92.5	94.0	94.7	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 500	86.6	89.2	91.4	92.7	94.5	95.4	96.8	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	86.6	89.2	91.4	92.7	94.6	95.5	97.0	98.1	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
GE 300	86.6	89.2	91.4	92.7	94.6	95.6	97.1	98.2	98.5	98.7	99.4	99.4	99.6	99.6	99.6	99.6
GE 200	86.6	89.2	91.4	92.7	94.6	95.6	97.1	98.2	98.5	98.7	99.4	99.5	99.7	99.7	99.7	99.7
GE 100	86.6	89.2	91.4	92.7	94.6	95.6	97.1	98.2	98.5	98.7	99.4	99.5	99.7	99.7	99.7	100.0
GE 000	86.6	89.2	91.4	92.7	94.6	95.6	97.1	98.2	98.5	98.7	99.4	99.5	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 18000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 16000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 14000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 12000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 8000	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 7000	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 6000	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 5000	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4500	68.7	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	71.7	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3500	75.5	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3000	77.6	78.3	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500	80.6	81.4	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	83.5	84.4	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1800	84.7	85.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	86.9	87.8	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1200	88.6	90.0	90.6	91.3	91.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	89.1	90.9	91.5	92.6	93.0	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 900	89.2	91.1	91.9	93.0	94.0	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	89.7	91.5	92.5	93.8	94.7	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 700	89.7	91.5	92.5	93.8	94.9	95.5	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	89.7	91.5	92.5	93.9	95.2	95.8	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 500	89.7	91.5	92.5	94.0	95.8	96.8	97.5	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	89.7	91.5	92.5	94.0	95.9	97.0	97.8	98.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	89.7	91.5	92.5	94.0	95.9	97.0	97.8	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	89.7	91.5	92.5	94.0	95.9	97.0	97.8	98.7	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	89.7	91.5	92.5	94.0	95.9	97.0	97.8	98.7	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	89.7	91.5	92.5	94.0	95.9	97.0	97.8	98.7	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	58.8	58.8	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	58.9	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 16000	59.0	59.0	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	60.4	60.4	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 12000	61.1	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 10000	62.8	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 9000	63.0	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 8000	63.8	63.8	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 7000	64.5	64.5	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000	65.5	65.7	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 5000	67.1	67.3	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4500	68.3	68.5	69.0	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	71.1	71.3	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3500	74.8	75.6	76.1	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 3000	77.0	77.7	78.3	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500	79.0	79.8	80.3	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2000	81.3	82.0	82.6	83.2	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1800	81.8	82.6	83.1	83.8	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1500	84.9	85.8	86.6	87.5	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1200	87.1	88.3	89.5	90.9	92.0	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1000	87.6	89.0	90.4	92.2	93.5	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	88.1	89.7	91.2	93.3	94.9	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 800	88.4	90.0	91.6	93.9	95.5	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	88.4	90.0	91.9	94.2	96.1	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	88.4	90.0	91.9	94.2	96.1	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	88.4	90.0	91.9	94.2	96.3	96.6	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	88.4	90.0	91.9	94.2	96.5	96.7	97.2	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	88.4	90.0	91.9	94.4	96.7	96.9	97.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	88.4	90.0	91.9	94.4	96.7	96.9	97.4	98.5	98.7	98.8	99.0	99.1	99.5	99.5	99.5	99.5
GE 100	88.4	90.0	91.9	94.4	96.7	96.9	97.4	98.5	98.7	98.8	99.0	99.1	99.5	99.5	99.6	99.9
GE 000	88.4	90.0	91.9	94.4	96.7	96.9	97.4	98.5	98.7	98.8	99.0	99.1	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.6	51.9	52.3	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	55.1	55.4	55.7	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	55.1	55.4	55.7	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 16000	55.1	55.4	55.7	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 14000	55.5	55.8	56.1	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 12000	56.8	57.1	57.4	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 10000	58.7	59.0	59.4	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 9000	58.8	59.1	59.5	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 8000	59.2	59.7	60.0	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 7000	60.1	60.5	60.9	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 6000	60.9	61.3	61.7	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 5000	62.4	62.8	63.5	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4500	65.1	65.5	66.2	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4000	66.7	67.1	67.8	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 3500	69.1	69.6	70.3	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 3000	71.2	71.6	72.4	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 2500	74.0	74.4	75.2	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 2000	75.9	76.3	77.1	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 1800	76.6	77.0	77.7	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 1500	79.5	79.9	80.8	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1200	82.6	83.0	85.2	86.1	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	84.7	85.2	87.4	88.6	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 900	85.6	86.2	88.8	90.2	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	86.2	86.9	89.6	91.2	91.9	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 700	86.6	87.7	90.8	92.6	93.5	94.1	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	87.0	88.2	91.3	93.3	94.4	94.9	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 500	87.1	88.4	91.5	93.7	95.1	95.9	96.8	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	87.1	88.4	91.5	93.7	95.1	95.9	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 300	87.2	88.5	91.6	93.8	95.2	96.0	97.1	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	87.2	88.5	91.6	93.8	95.2	96.0	97.1	97.6	98.1	98.2	98.6	98.9	99.2	99.2	99.4	99.4
GE 100	87.2	88.5	91.6	93.8	95.2	96.0	97.1	97.6	98.1	98.2	98.6	98.9	99.2	99.2	99.5	99.7
GE 000	87.2	88.5	91.6	93.8	95.2	96.0	97.1	97.6	98.1	98.2	98.6	98.9	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 107

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.7	46.9	47.2	47.5	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0
GE 20000	51.2	51.4	51.8	52.1	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.6
GE 18000	51.4	51.6	51.9	52.2	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
GE 16000	51.4	51.6	52.0	52.3	52.4	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.8
GE 14000	52.2	52.4	52.8	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.6
GE 12000	53.0	53.2	53.6	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4
GE 10000	54.4	54.6	55.0	55.3	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.8
GE 9000	54.5	54.8	55.2	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	56.0
GE 8000	55.3	55.6	56.0	56.3	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.9
GE 7000	55.9	56.2	56.6	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.5
GE 6000	57.0	57.4	57.9	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.8
GE 5000	59.2	59.7	60.2	60.6	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.2
GE 4500	60.4	60.9	61.5	61.9	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6
GE 4000	62.3	62.8	63.4	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.5
GE 3500	64.7	65.4	66.0	66.5	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2
GE 3000	67.0	67.8	68.4	68.9	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.6
GE 2500	69.8	70.7	71.4	71.9	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8
GE 2000	72.6	73.6	74.4	75.0	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.9
GE 1800	73.6	74.7	75.5	76.1	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	77.0
GE 1500	76.6	77.9	78.9	79.7	80.3	80.4	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.9
GE 1200	79.1	80.6	82.0	83.0	83.8	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.7
GE 1000	80.2	81.9	83.5	84.8	85.9	86.2	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	87.0
GE 900	81.1	83.1	84.9	86.3	87.7	88.1	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.0
GE 800	81.5	83.5	85.5	87.1	88.7	89.1	89.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.2
GE 700	81.8	84.0	86.2	88.0	89.8	90.6	91.1	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.9
GE 600	82.0	84.3	86.8	88.7	90.6	91.4	92.1	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	93.1
GE 500	82.1	84.4	86.9	89.0	91.2	92.2	93.3	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.6	94.7
GE 400	82.1	84.4	87.0	89.1	91.5	92.6	93.9	94.9	95.1	95.4	95.6	95.6	95.6	95.7	95.7	95.8
GE 300	82.1	84.4	87.0	89.2	91.7	92.9	94.2	95.4	95.8	96.4	96.8	96.8	96.9	97.0	97.1	97.2
GE 200	82.1	84.4	87.0	89.2	91.7	92.9	94.3	95.6	96.0	96.6	97.3	97.3	97.7	97.8	98.1	98.3
GE 100	82.1	84.4	87.0	89.2	91.7	92.9	94.3	95.6	96.0	96.7	97.3	97.4	97.9	98.1	98.7	99.4
GE 000	82.1	84.4	87.0	89.2	91.7	92.9	94.3	95.6	96.0	96.7	97.3	97.4	97.9	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.8	52.3	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1
GE 20000	57.9	58.4	58.9	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
GE 18000	58.0	58.6	59.0	59.2	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 16000	58.1	58.7	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	58.6	59.2	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 12000	59.5	60.1	60.6	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 10000	61.3	61.9	62.4	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 9000	61.6	62.2	62.7	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3
GE 8000	62.6	63.2	63.7	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 7000	63.0	63.7	64.2	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
GE 6000	63.7	64.3	64.8	65.1	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	65.0	65.7	66.2	66.5	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
GE 4500	66.2	66.9	67.4	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1
GE 4000	67.7	68.5	69.1	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8
GE 3500	69.6	70.4	71.0	71.3	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3000	71.9	72.8	73.5	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 2500	74.4	75.4	76.2	76.6	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
GE 2000	77.0	78.1	79.0	79.6	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
GE 1800	78.0	79.2	80.1	80.7	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4
GE 1500	81.3	82.7	83.8	84.5	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4
GE 1200	84.6	86.2	87.6	88.5	89.1	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1000	86.5	88.3	90.0	91.1	91.9	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
GE 900	87.2	89.2	91.0	92.2	93.2	93.5	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 800	87.8	89.8	91.8	93.1	94.2	94.5	94.8	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1
GE 700	88.1	90.2	92.3	93.8	95.1	95.5	95.8	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 600	88.3	90.4	92.6	94.2	95.7	96.2	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	88.3	90.5	92.8	94.5	96.1	96.7	97.2	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9
GE 400	88.3	90.5	92.8	94.6	96.2	96.9	97.5	98.0	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5
GE 300	88.3	90.6	92.9	94.6	96.3	97.0	97.7	98.2	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
GE 200	88.3	90.6	92.9	94.6	96.3	97.0	97.7	98.3	98.5	98.8	99.1	99.1	99.3	99.4	99.4	99.5
GE 100	88.3	90.6	92.9	94.6	96.3	97.0	97.7	98.3	98.5	98.8	99.1	99.2	99.4	99.5	99.6	99.8
GE 000	88.3	90.6	92.9	94.6	96.3	97.0	97.7	98.3	98.5	98.8	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 87641

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	34.6	12.9	14.0	35.1	3.4	52.5	3.5	930
03-05	32.9	11.2	15.6	35.5	4.8	55.9	3.2	930
06-08	21.4	18.4	17.8	36.8	5.6	60.2	3.2	930
09-11	15.5	21.6	23.9	34.8	4.2	62.9	3.1	930
12-14	16.3	25.2	23.7	34.5	.3	58.5	1.8	930
15-17	13.7	28.5	28.2	28.9	.8	57.8	1.2	930
18-20	19.9	27.5	20.8	31.0	.9	52.6	2.0	930
21-23	31.5	17.5	15.6	33.8	1.6	51.0	2.9	930
ALL HOURS	23.2	20.3	19.9	33.8	2.7	56.4	2.6	7440

MONTH: FEB HOURS: ALL

00-02	31.2	15.5	11.1	41.0	1.2	53.3	2.6	846
03-05	30.7	10.0	12.6	44.4	2.1	59.2	2.7	846
06-08	21.2	14.2	18.7	43.3	2.7	64.7	5.4	846
09-11	16.0	20.3	18.4	43.4	1.9	63.7	5.2	846
12-14	14.7	25.7	23.6	35.9	.1	59.7	3.0	846
15-17	14.1	29.8	26.8	29.2	.1	56.1	2.7	846
18-20	20.1	27.7	23.3	28.5	.5	52.2	1.4	846
21-23	33.8	16.9	13.9	34.3	1.1	49.3	1.5	846
ALL HOURS	22.7	20.0	18.6	37.5	1.2	57.3	3.1	6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	33.0	12.2	14.5	39.5	.9	54.8	2.0	930
03-05	28.2	8.7	16.7	44.4	2.0	63.1	2.3	930
06-08	19.5	15.7	18.5	44.4	1.9	64.8	6.5	930
09-11	17.3	18.4	26.0	38.0	.3	64.3	3.9	930
12-14	15.6	27.2	29.8	27.4		57.2	1.2	930
15-17	15.7	32.3	29.2	22.8		52.0	.5	930
18-20	20.0	32.3	26.1	21.7		47.8	.6	927
21-23	35.0	20.5	14.2	30.3		44.6	1.1	927
ALL HOURS	23.0	20.9	21.9	33.6	.6	56.1	2.3	7434

MONTH: APR HOURS: ALL

00-02	32.1	12.4	18.2	37.2		55.4	1.0	900
03-05	27.0	11.9	19.3	41.0	.8	61.1	2.2	900
06-08	14.8	15.6	25.9	42.1	1.7	69.7	4.4	900
09-11	16.1	17.4	29.6	36.4	.4	66.4	2.7	900
12-14	17.8	26.3	30.6	25.3		55.9	2.0	900
15-17	16.1	32.6	30.7	20.6	.1	51.3	1.9	900
18-20	19.0	34.4	24.0	22.6		46.6	.9	900
21-23	36.2	18.8	18.1	26.9		45.0	.8	900
ALL HOURS	22.4	21.2	24.5	31.5	.4	56.4	2.0	7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	18.2	17.3	24.7	39.6	.2	64.5	.6	930
03-05	13.3	11.2	30.6	44.4	.4	75.5	.9	930
06-08	6.1	16.9	37.5	39.1	.3	77.0	2.5	930
09-11	7.6	25.5	39.4	27.5		66.9	.6	930
12-14	9.2	32.0	39.0	19.7		58.7	.2	930
15-17	8.7	38.7	37.8	14.7		52.6	.2	930
18-20	9.8	38.7	34.8	16.7		51.5	.4	930
21-23	22.3	27.4	22.2	28.0	.2	50.3	.2	930
ALL HOURS	11.9	26.0	33.3	28.7	.1	62.1	.7	7440

MONTH: JUN HOURS: ALL

00-02	25.7	24.9	28.6	20.9		49.4	.2	900
03-05	14.4	16.4	42.7	26.4		69.1	.4	900
06-08	5.1	20.0	52.0	22.9		74.9	.7	900
09-11	5.1	37.3	45.9	11.6	.1	57.6	.3	899
12-14	4.4	51.1	36.9	7.6		44.4	.4	900
15-17	4.2	58.1	30.9	6.8		37.7	.2	900
18-20	6.3	59.1	27.3	7.2		34.6	.1	900
21-23	35.9	34.6	18.2	11.2	.1	29.6	.1	900
ALL HOURS	12.7	37.7	35.3	14.3	.0	49.7	.3	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	43.2	31.0	19.2	6.6		25.8		930
03-05	21.0	25.5	40.6	12.9		53.5		930
06-08	4.6	33.9	50.6	10.9		61.5	.2	930
09-11	5.7	56.9	31.0	6.5		37.4		930
12-14	4.5	65.8	23.2	6.5		29.7	.3	930
15-17	3.3	67.0	22.5	7.2		29.7		930
18-20	8.0	60.8	25.5	5.8		31.3		930
21-23	51.3	32.2	11.7	4.8		16.6		930
ALL HOURS	17.7	46.6	28.1	7.6		35.7	.1	7440

MONTH: AUG HOURS: ALL

00-02	39.9	32.5	20.4	7.2		27.6		930
03-05	22.2	31.3	38.2	8.4		46.6		930
06-08	3.2	38.2	49.9	8.7		58.6	2.0	930
09-11	3.1	57.7	33.3	5.8		39.1	2.0	930
12-14	1.3	66.8	27.6	4.3		31.9	1.1	930
15-17	1.1	65.8	28.7	4.4		33.1	1.3	930
18-20	6.0	61.7	27.3	4.9		32.3	.9	930
21-23	44.1	37.5	12.9	5.5		18.4	.3	930
ALL HOURS	15.1	48.9	29.8	6.2		36.0	1.0	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	35.0	26.0	26.1	12.9		39.0		900
03-05	28.4	19.4	35.7	16.4		52.1		900
06-08	17.6	29.2	38.4	14.8		53.2	2.0	900
09-11	12.8	41.0	35.1	11.1		46.2	1.4	900
12-14	9.1	52.4	32.3	6.1		38.4	.6	900
15-17	9.7	55.8	30.4	4.1		34.6	.6	900
18-20	19.9	47.6	27.2	5.3		32.6		900
21-23	40.7	32.4	17.7	9.2		26.9		900
ALL HOURS	21.6	38.0	30.4	10.0		40.4	.6	7200

MONTH: OCT HOURS: ALL

00-02	37.8	16.8	21.0	24.2	.2	45.4	1.0	930
03-05	32.7	15.2	22.7	28.7	.8	52.2	1.3	930
06-08	18.6	21.4	30.9	28.0	1.2	60.0	4.1	930
09-11	13.5	28.3	35.1	22.9	.2	58.2	2.5	930
12-14	10.1	41.7	34.4	13.8		48.2	.3	930
15-17	11.0	51.5	26.9	10.6		37.5	.2	930
18-20	23.5	45.1	20.5	10.8	.1	31.4	.2	930
21-23	41.2	25.5	17.1	16.0	.2	33.3	.4	930
ALL HOURS	23.6	30.7	26.1	19.4	.3	45.8	1.3	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	32.2	13.0	19.1	33.3	2.3	54.8	2.7	900
03-05	30.7	8.8	19.4	36.0	5.1	60.6	3.3	900
06-08	20.2	16.7	21.4	35.7	6.0	63.1	5.3	900
09-11	15.4	22.0	29.1	31.4	2.0	62.6	5.6	900
12-14	16.9	30.4	29.2	23.3	.1	52.7	2.3	900
15-17	18.4	33.0	27.0	21.4	.1	48.6	1.1	900
18-20	29.4	26.1	20.8	23.3	.3	44.4	.6	900
21-23	38.9	15.2	17.7	27.4	.8	45.9	1.2	900
ALL HOURS	25.3	20.7	23.0	29.0	2.1	54.1	2.8	7200

MONTH: DEC HOURS: ALL

00-02	35.9	10.6	13.0	36.7	3.8	53.4	2.5	930
03-05	33.3	9.6	14.1	37.3	5.7	57.1	3.2	930
06-08	21.5	18.4	17.2	38.3	4.6	60.1	5.7	930
09-11	12.8	24.6	23.1	35.8	3.7	62.6	4.6	930
12-14	14.1	29.1	22.0	33.9	.9	56.8	1.9	930
15-17	14.6	29.7	25.6	29.8	.3	55.7	1.8	930
18-20	23.8	25.3	19.0	31.4	.5	51.0	1.3	930
21-23	37.2	11.5	15.4	35.1	.9	51.3	1.8	930
ALL HOURS	24.2	19.9	18.7	34.8	2.5	56.0	2.9	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	33.3	18.8	19.2	27.8	1.0	47.9	1.3	10956
03-05	26.2	15.0	25.7	31.2	1.8	58.8	1.6	10956
06-08	14.4	21.6	31.6	30.3	2.0	64.0	3.5	10956
09-11	11.7	31.0	30.9	25.3	1.1	57.3	2.6	10955
12-14	11.1	39.6	29.4	19.8	.1	49.3	1.3	10956
15-17	10.8	43.6	28.7	16.7	.1	45.5	1.0	10956
18-20	17.1	40.6	24.7	17.4	.2	42.3	.7	10953
21-23	37.4	24.2	16.2	21.8	.4	38.4	.9	10953
ALL HOURS	20.3	29.3	25.8	23.8	.8	50.4	1.6	87641



pppppppp	AAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
pppppppp	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
pp pp	AA AA	RR RR	TT	EE
pp pp	AA AA	RR RR	TT	EE
pppppppp	AA AA	RRRRRRRR	TT	EEEEEE
pppppppp	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
pp	AAAAAAAAA	RR RR	TT	EE
pp	AA AA	RR RR	TT	EE
pp	A^ AA	RR RR	TT	EEEEEEEEEE
pp	AA AA	RR RR	TT	EEEEEEEEEE

E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.



TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C \approx K - 273.0$  (BEFORE 5 APRIL 77)

$C \approx K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATIONNAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105				.1		.2	.6	.4					.1
GE 100			.2	.4	1.1	4.5	12.9	16.8	2.0	.1			3.2
GE 95		.2	.5	1.7	7.0	30.3	62.5	62.0	20.7	1.4			15.5
GE 90	.1	.5	3.2	10.7	30.5	72.1	89.5	88.5	57.0	13.8	.7		30.5
GE 85	.8	2.5	11.1	31.0	62.6	91.6	97.4	97.0	82.1	38.9	5.0	.7	43.3
GE 80	3.8	9.6	28.5	59.9	86.7	98.3	99.4	99.5	93.6	68.0	21.2	5.1	56.1
GE 75	13.6	24.3	49.7	79.5	96.1	99.9	99.9	99.9	97.9	84.8	42.7	16.4	67.0
GE 70	27.4	42.1	68.7	90.6	99.1	100.0	100.0	100.0	99.3	93.7	62.0	34.9	76.5
GE 65	45.2	58.6	84.1	95.9	99.9				99.8	97.7	75.9	54.0	84.2
GE 60	60.0	72.7	91.5	98.8	99.9				100.0	99.3	87.2	70.0	89.9
GE 55	73.2	81.9	95.7	99.7	100.0					100.0	93.4	82.3	93.8
GE 50	83.7	91.7	98.3	100.0							97.7	90.3	96.8
GE 45	91.3	96.6	99.5								99.4	95.9	98.5
GE 40	96.2	98.6	99.9								99.9	98.8	99.5
GE 35	98.7	99.4	100.0								100.0	99.6	99.8
GE 33	99.1	99.7										99.7	99.9
GE 30	99.6	99.8										99.8	99.9
GE 25	99.9	100.0										100.0	100.0
GE 20	100.0												100.0
MEAN	61.6	65.9	73.5	80.4	86.1	91.8	95.1	95.2	89.6	81.9	71.2	64.4	79.7
SD	11.66	11.21	9.75	7.87	6.12	4.96	4.47	4.74	6.09	7.25	9.70	10.36	14.28
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203

E - 2 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80						.8	1.4	1.6	.4	.1			.4
GE 75				.2	7.5	37.2	55.3	53.5	23.9	3.7			15.1
GE 70			1.6	11.2	37.8	80.6	96.8	92.8	62.1	17.9	3.0	.1	33.6
GE 65	2.1	2.7	10.5	32.6	68.3	94.8	99.8	99.3	80.4	37.0	9.7	2.3	44.9
GE 60	5.5	9.4	24.1	55.9	87.8	98.7	100.0	99.9	91.0	55.7	21.3	7.1	54.6
GE 55	11.0	17.4	39.8	72.4	95.1	100.0		100.0	97.7	73.5	33.8	14.0	62.8
GE 50	19.8	30.8	57.1	85.6	98.8				99.6	88.7	49.4	24.7	71.2
GE 45	32.4	47.9	73.3	94.0	100.0				99.9	95.9	67.4	40.5	79.2
GE 40	53.4	67.7	87.4	97.9					100.0	98.9	82.3	61.2	87.4
GE 35	73.3	83.2	95.2	99.7						99.9	92.8	80.7	93.7
GE 33	79.3	88.7	97.0	99.8						100.0	95.7	87.0	95.6
GE 30	87.5	93.7	98.8	100.0							97.9	93.1	97.6
GE 25	94.9	99.1	99.8								99.6	98.2	99.3
GE 20	98.5	99.7	100.0								100.0	99.3	99.8
GE 15	99.7	99.9										99.8	100.0
GE 10	99.9	99.9										99.9	100.0
GE 5	99.9	100.0										100.0	100.0
GE 0	100.0												100.0
MEAN	40.8	44.5	51.4	59.5	66.7	72.6	74.5	74.3	69.7	60.5	49.8	43.1	58.9
SD	10.43	10.06	9.98	8.64	6.17	4.19	2.56	3.13	6.32	8.80	10.58	9.92	14.60
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203

E - 2 - 2

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90				.1	.1	1.9	3.9	5.1	.4				1.0
GE 85			.1	.3	4.9	31.0	61.0	60.6	17.5	.9			14.7
GE 80			.9	7.6	31.1	79.2	95.1	92.8	60.4	12.2	.3		31.6
GE 75	.1	.7	8.8	29.2	67.4	95.1	99.8	99.1	83.5	35.7	6.1	.2	43.8
GE 70	3.2	7.3	23.8	58.4	90.5	99.7	100.0	99.9	95.2	62.2	19.7	4.0	55.3
GE 65	9.4	19.8	44.4	79.6	97.5	100.0		100.0	98.6	84.1	34.9	12.0	65.0
GE 60	20.9	33.7	65.1	91.7	99.9				99.9	93.9	54.9	27.3	73.9
GE 55	38.9	53.5	81.2	97.1	100.0				100.0	98.8	73.4	46.4	82.4
GE 50	58.6	71.9	91.8	99.4						99.9	88.4	69.1	89.9
GE 45	75.5	87.3	97.3	99.9						100.0	95.5	85.6	95.1
GE 40	88.8	95.4	99.2	100.0							98.9	94.9	98.1
GE 35	94.7	98.6	99.8								100.0	98.4	99.3
GE 33	96.5	99.1	99.9									99.1	99.5
GE 30	98.2	99.4	100.0									99.5	99.8
GE 25	99.6	99.9										99.8	99.9
GE 20	100.0	100.0										99.9	100.0
GE 15												100.0	100.0
MEAN	51.4	55.4	62.6	70.1	76.6	82.4	85.0	84.9	79.8	71.4	60.7	53.9	69.5
SD	9.93	9.50	8.86	7.13	5.29	4.01	2.95	3.41	5.37	7.03	9.16	8.95	13.92
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37									103	98	85	76	103*
38	85	84	90	89	93	97	102	103	99	100	89	83	103
39	76	85	96	101	102	102	108	100	103	95	84	85	108
40	79	96	93	98	95	95	98	103	100	91	80	78	103
41	77	75	85	89	91	94	98	102	100	91	83	81	102
42	83	81	91	89	95	105	97	99	96	92	86	88	105
43	87	84	88	91	95	99	102	103	97	87	86	82	103
44	75	86	89	92	94	96	104	102	98	92	83	74	104
45	77	83	88	93	99	100	99	104	99	91	88	81	104
46	76	80	96	94	95	96	104	101	94	89	85	81	104
47	85	81	89	89	96	100	102	103	100	93	88	81	103
48	78	83	90	96	97	102	101	104	100	93	90	83	104
49	84	84	90	90	98	100	98	100	99	92	92	83	100
50	85	82	100	92	95	98	100	102	102	95	89	88	102
51	83	83	90	101	96	101	104	104	104	95	93	85	104
52	81	87	93	93	96	97	99	103	102	93	87	80	103
53	84	84	90	97	96	103	101	106	102	94	80	80	106
54	82	93	96	90	95	101	108	105	100	93	83	86	108
55	82	83	94	94	102	101	99	101	95	93	86	89	102
56	82	88	91	91	95	100	102	101	99	95	85	81	102
57	83	89	89	85	89	97	103	100	100	88	82	80	103
58	75	77	81	94	96	98	100	101	98	90	83	80	101
59	81	90	87	87	96	100	100	100	100	95	83	75	100
60	75	87	85	88	93	104	101	96	95	94	84	75	104
61	75	79	85	95	98	97	94	96	97	90	85	78	98
62	78	90	84	93	95	96	105	106	96	96	90	76	106
63	85	85	89	97	99	101	99	100	99	90	85	72	101
64	77	72	79	92	98	97	106	102	97	87	82	83	106
65	79	72	83	87	88	93	98	97	99	86	80	75	99
66	73	73	84	91	94	97	100	100	95	93	84	84	100
67	80	77	93	95	102	103	102	100	90	87	87	77	103
68	74	75	78	86	93	95	99	99	93	89	85	76	99
69	82	81	84	86	92	99	103	104	93	91	90	75	104
70	79	78	83	89	90	96	101	104	97	86	81	80	104

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	87	83	101	94	93	96	97	92	96	87	81	82	101
72	87	83	92	94	90	98	102	95	98	91	86	81	102
73	76	75	80	84	98	95	97	97	94	90	86	86	98
74	82	84	94	93	94	99	104	100	91	86	82	76	104
75	90	78	89	90	89	92	98	97	93	91	86	79	98
76	76	83	92	81	85	96	96	101	95	86	78	69	101
77	77	85	84	88	88	95	100	101	100	93	83	86	101
78	80	85	84	91	97	101	105	97	91	88	84	84	105
79	68	82	84	86	95	93	97	98	97	98	83	81	98
80	81	89	92	97	93	107	105	102	99	92	85	84	107
81	78	82	90	91	98	96	97	100	92	91	80	79	100
82	81	87	90	102	92	100	101	103	98	92	84	81	103
83	76	77	83	91	95	99	101	102	99	92	91	85	102
84	77	82	99	108	103	100	100	101	99	91	84	76	108
85	73	75	85	90	96	96	100	101	103	91	82	77	103
86	80	96	85	92	92	92	102	107	95	94	85	74	107
87	76	80	80	92	88	95	96	102	97	92	87	88	102
88	79	86	87	94	94	104	100	102	96	90	93	82	104
89	87	82	91	98	104	102	104	102	101	96	90	75	104
90	78	85	80										85*
.....													
GREATEST	90	96	101	108	104	107	108	107	104	100	93	89	108
.....													
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203
.....													

THE GREATEST VALUE OF 108 OCCURRED ON 07/08/39

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
1ST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37									52	44	21	26	21*
38	27	23	41	32	49	66	67	66	53	37	21	25	21
39	29	25	34	35	58	65	68	62	56	37	36	30	25
40	14	28	30	32	49	58	62	59	48	41	26	29	14
41	24	30	32	44	55	62	68	66	62	46	30	28	24
42	22	27	30	40	47	62	66	66	41	46	33	29	22
43	17	31	23	52	56	66	70	70	56	42	33	23	17
44	24	29	32	40	46	65	69	65	61	42	32	29	24
45	31	34	44	36	50	63	71	70	56	37	29	25	25
46	30	29	38	47	55	61	67	66	63	46	41	27	27
47	20	29	29	41	57	69	68	72	55	55	32	28	20
48	23	26	23	47	56	61	70	69	53	46	28	32	23
49	4	29	41	40	61	62	70	68	61	45	38	28	4
50	32	34	35	48	64	67	71	68	64	52	28	17	17
51	18	29	29	39	52	66	74	72	56	51	28	23	9
52	34	33	30	43	50	65	71	68	60	40	35	29	29
53	30	33	40	45	50	65	74	70	57	53	36	24	24
54	30	32	33	46	48	69	72	73	59	44	38	30	30
55	32	26	31	50	63	58	72	69	67	41	30	31	26
56	30	26	30	45	58	70	71	68	61	51	33	35	26
57	27	44	37	42	54	62	73	71	56	38	33	24	24
58	31	25	35	49	57	70	71	70	57	49	34	28	25
59	21	33	28	40	60	68	66	71	62	43	23	28	21
60	22	22	32	41	46	68	71	67	56	42	33	26	22
61	26	29	35	33	50	61	69	60	55	43	38	25	25
62	10	32	27	38	50	65	72	66	57	45	36	29	10
63	16	25	32	48	58	68	69	71	54	52	33	24	16
64	14	28	32	42	52	57	69	71	60	38	35	25	14
65	27	25	26	45	48	64	64	64	55	39	32	31	25
66	19	25	28	38	58	64	70	65	59	39	32	22	19
67	23	27	35	52	50	65	67	60	50	40	37	25	23
68	25	25	30	40	52	63	66	65	51	44	30	27	25
69	22	34	33	49	49	61	72	68	59	46	29	29	22
70	16	28	36	41	47	55	72	65	56	36	25	32	16

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	26	21	25	36	47	69	70	66	55	52	41	33	21
72	21	21	38	41	58	66	64	69	59	47	32	19	19
73	17	19	37	31	48	58	71	65	58	51	37	20	17
74	28	25	37	44	61	59	70	71	49	42	31	30	25
75	18	28	32	35	57	57	70	67	47	45	25	30	18
76	19	29	35	39	46	63	68	68	57	38	21	24	19
77	21	31	34	42	59	62	72	72	68	39	30	23	21
78	24	25	28	45	50	68	73	72	61	44	39	21	21
79	19	30	38	44	50	56	68	68	55	40	25	28	19
80	30	26	21	38	54	69	69	71	68	34	31	33	21
81	36	25	37	53	52	69	69	67	47	40	33	24	24
82	17	25	31	47	51	65	73	70	54	40	36	32	17
83	33	34	37	37	50	61	70	71	48	48	33	13	13
84	21	30	33	43	49	57	67	69	55	50	33	28	21
85	20	19	42	45	58	61	66	71	54	50	42	20	19
86	32	31	39	49	56	68	69	70	71	52	35	34	31
87	28	33	36	34	59	64	71	73	58	54	32	29	28
88	24	28	32	37	56	65	71	74	59	51	34	33	24
89	26	22	29	49	63	66	70	69	52	34	38	9	9
90	32	34	37										32*
.....													
LEAST	4	9	21	31	46	55	62	59	41	34	21	9	4
.....													
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203
.....													

THE LEAST VALUE OF 4 OCCURRED ON 01/31/49

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
37									80	72	58	53	66*
38	54	61	67	67	75	83	86	85	80	72	58	54	70
39	53	53	64	71	80	84	86	83	80	72	58	55	70
40	42	54	62	69	75	79	82	84	77	70	58	55	67
41	54	52	56	68	76	80	84	85	81	76	58	54	69
42	49	53	60	69	76	83	82	84	77	71	64	56	69
43	51	60	60	73	79	82	85	87	77	69	58	53	70
44	52	60	63	70	73	83	86	85	79	71	61	50	69
45	53	57	68	68	77	83	84	85	81	70	65	52	70
46	50	57	65	72	76	80	85	84	79	73	62	57	70
47	50	50	58	69	76	84	85	84	81	77	59	55	69
48	47	54	62	74	79	85	85	86	78	71	59	57	70
49	48	58	64	66	79	82	84	84	82	72	64	58	70
50	60	59	63	69	79	83	86	84	81	75	62	55	71
51	53	57	64	71	77	83	88	88	82	75	60	58	71
52	61	60	62	67	75	83	86	88	79	68	60	54	70
53	58	57	70	72	78	87	88	86	80	73	61	51	72
54	57	63	64	75	77	85	88	88	84	74	62	59	73
55	55	57	66	75	80	83	86	86	83	72	61	56	72
56	54	59	64	71	79	85	86	86	81	74	59	58	72
57	54	64	63	68	75	82	87	87	78	68	58	57	70
58	51	51	57	69	77	84	86	87	81	69	62	52	69
59	50	54	59	65	77	84	85	85	82	70	53	55	68
60	50	49	56	69	75	84	84	84	78	73	61	49	68
61	46	54	64	68	79	80	81	80	79	69	57	53	68
62	45	63	59	69	78	82	87	87	81	76	60	52	70
63	46	52	65	75	79	84	85	86	80	73	62	45	69
64	50	49	60	71	78	82	86	86	80	66	63	52	69
65	54	50	55	71	75	81	84	83	81	66	64	56	68
66	47	51	61	71	75	81	85	84	79	69	65	53	68
67	52	54	69	78	78	85	85	82	76	68	62	52	70
68	51	48	57	67	78	82	83	85	75	72	58	53	67
69	54	55	56	69	73	81	87	86	79	70	60	56	69
70	46	56	58	71	74	80	86	85	80	67	57	60	68

E - 4 - 1A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: +06

PERIOD OF RECORD: 3709-9003  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	56	57	66	68	77	82	83	78	79	72	62	58	70
72	54	58	67	75	75	82	83	82	83	73	55	49	70
73	46	50	64	64	75	79	83	82	80	73	68	55	68
74	53	57	69	71	79	81	85	84	74	70	59	52	70
75	56	54	62	70	75	80	82	82	76	71	61	53	69
76	50	60	64	67	69	81	81	84	80	63	54	48	67
77	44	55	62	67	75	81	85	86	84	72	62	54	69
78	46	48	61	72	80	84	88	83	79	71	64	54	69
79	45	53	63	69	75	79	82	83	77	73	58	54	68
80	54	54	63	70	76	87	89	86	83	71	59	57	71
81	54	57	64	75	78	82	84	84	78	70	62	53	70
82	53	53	67	70	75	83	86	87	81	71	62	55	70
83	51	53	60	68	76	81	84	86	80	72	66	46	69
84	48	55	66	73	78	83	85	85	80	73	61	60	71
85	46	52	66	71	79	82	84	87	81	74	65	51	70
86	55	61	66	73	75	81	85	87	84	72	61	53	71
87	52	57	60	66	75	82	85	87	80	73	60	55	69
88	49	56	63	70	76	83	85	87	80	73	65	57	70
89	56	51	63	71	82	84	87	87	80	72	63	45	70
90	58	60	62										60*
.....													
MEAN	51.4	55.4	62.6	70.1	76.6	82.4	85.0	84.9	79.8	71.4	60.7	53.9	69.5
.....													
TOTAL OBS	1643	1497	1643	1559	1612	1560	1612	1612	1590	1642	1590	1643	19203
.....													

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BUB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	47.5	9.671	930	0	47	49	0	0	930
03-05	45.9	10.113	930	0	75	52	0	0	930
06-08	45.0	10.321	930	0	88	50	0	0	930
09-11	50.9	9.848	930	0	30	78	0	0	930
12-14	57.8	10.788	930	0	18	276	6	0	930
15-17	60.2	11.312	930	0	17	372	8	0	930
18-20	55.1	9.936	930	0	23	166	0	0	930
21-23	50.6	9.516	930	0	35	71	0	0	930
ALL HOURS	51.6	11.438	7440	0	333	1114	14	0	7440

MONTH: FEB

00-02	50.9	10.214	846	0	37	90	0	0	846
03-05	48.8	10.486	846	0	49	68	0	0	846
06-08	48.0	10.661	846	0	56	59	0	0	846
09-11	54.4	10.974	846	0	30	153	5	0	846
12-14	61.2	12.023	846	0	19	372	31	2	846
15-17	64.0	12.412	846	0	15	456	64	3	846
18-20	59.4	11.007	846	0	18	309	15	0	846
21-23	54.3	9.933	846	0	25	153	0	0	846
ALL HOURS	55.1	12.309	6768	0	249	1660	115	5	6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	58.3	8.661	930	0	0	262	0	0	930
03-05	56.2	9.649	930	0	8	222	0	0	930
06-08	55.8	9.946	929	0	12	218	0	0	929
09-11	62.8	8.464	929	0	3	427	6	0	929
12-14	69.5	8.964	930	0	1	696	98	3	930
15-17	72.2	9.094	930	0	0	768	189	3	930
18-20	67.7	8.631	927	0	0	641	57	1	927
21-23	62.2	8.021	927	0	0	379	3	0	927
ALL HOURS	63.1	10.641	7432	0	24	3613	353	7	7432

MONTH: APR

00-02	64.3	7.591	900	0	0	509	0	0	900
03-05	62.0	8.471	900	0	0	410	0	0	900
06-08	62.4	8.374	900	0	0	444	0	0	900
09-11	70.6	7.259	900	0	0	738	66	0	900
12-14	77.3	8.523	900	0	0	818	409	13	900
15-17	80.0	9.113	900	0	0	832	567	32	900
18-20	75.1	8.394	898	0	0	780	290	7	898
21-23	68.5	7.264	900	0	0	680	26	0	900
ALL HOURS	70.0	10.432	7198	0	0	5211	1358	52	7198

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELL AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	71.1	4.776	930	0	0	848	11	0	930
03-05	69.7	5.275	930	0	0	783	2	0	930
06-08	70.4	5.247	930	0	0	814	13	0	930
09-11	76.7	5.343	930	0	0	916	276	1	930
12-14	82.5	6.089	930	0	0	930	652	49	930
15-17	84.6	6.653	930	0	0	930	754	109	930
18-20	80.4	6.068	930	0	0	930	527	32	930
21-23	74.6	4.733	930	0	0	910	138	0	930
ALL HOURS	76.2	7.734	7440	0	0	7061	2373	191	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	76.3	3.524	900	0	0	893	157	0	900
03-05	74.8	3.569	900	0	0	883	58	0	900
06-08	75.9	3.606	900	0	0	889	122	0	900
09-11	82.4	4.460	899	0	0	899	704	13	899
12-14	88.1	5.353	900	0	0	900	841	146	900
15-17	90.0	6.324	900	0	0	900	837	315	900
18-20	86.3	6.031	900	0	0	900	786	127	900
21-23	80.3	4.108	900	0	0	900	512	3	900
ALL HOURS	81.8	7.312	7199	0	0	7164	4017	604	7199

E - 5 - 1 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	78.2	2.695	930	0	0	930	280	0	930
03-05	76.3	2.258	930	0	0	930	62	0	930
06-08	77.3	2.580	930	0	0	930	174	0	930
09-11	84.8	3.546	930	0	0	930	874	9	930
12-14	91.4	4.304	930	0	0	930	916	383	930
15-17	93.7	5.534	930	0	0	930	903	606	930
18-20	89.7	5.782	930	0	0	930	881	303	930
21-23	82.9	3.962	930	0	0	930	761	8	930
ALL HOURS	84.3	7.435	7440	0	0	7440	4851	1309	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	79.0	2.416	930	0	0	930	394	0	930
03-05	77.0	2.304	930	0	0	930	122	0	930
06-08	77.6	2.665	930	0	0	930	225	0	930
09-11	85.3	3.599	930	0	0	930	886	16	930
12-14	92.3	3.992	930	0	0	930	917	463	930
15-17	94.6	5.108	930	0	0	930	908	707	930
18-20	90.0	5.219	930	0	0	930	894	316	930
21-23	83.4	3.585	930	0	0	930	808	5	930
ALL HOURS	84.9	7.449	7440	0	0	7440	5154	1507	7440

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
				LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	74.8	5.595	900	0	0	841	138	0	900
03-05	72.9	6.443	900	0	0	797	74	0	900
06-08	73.0	6.496	898	0	0	794	88	0	898
09-11	80.7	5.740	900	0	0	884	597	3	900
12-14	87.0	5.951	899	0	0	893	817	129	899
15-17	88.6	6.428	900	0	0	897	322	252	900
18-20	83.7	6.376	900	0	0	887	74	61	900
21-23	78.2	5.756	900	0	0	869	431	1	900
ALL HOURS	79.9	8.374	7197	0	0	6862	3671	446	7197

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
				LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	66.7	7.867	930	0	0	605	16	0	930
03-05	64.8	8.564	930	0	0	511	10	0	930
06-08	64.7	8.534	930	0	0	501	13	0	930
09-11	72.3	7.328	930	0	0	802	152	0	930
12-14	78.6	7.637	930	0	0	876	469	3	930
15-17	80.2	7.846	930	0	0	884	558	11	930
18-20	74.7	7.506	930	0	0	838	263	0	930
21-23	69.7	7.385	930	0	0	720	47	0	930
ALL HOURS	71.5	9.666	7440	0	0	5737	1528	14	7440

E - 5 - 1 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.4	10.264	900	0	0	256	0	0	900
03-05	56.0	10.899	900	0	0	245	0	0	900
06-08	55.7	11.099	900	0	3	235	0	0	900
09-11	62.6	9.394	900	0	0	421	14	0	900
12-14	69.1	9.623	900	0	0	623	106	1	900
15-17	70.3	9.838	900	0	0	651	150	1	900
18-20	64.1	9.034	900	0	0	458	18	0	900
21-23	59.6	9.568	900	0	0	306	0	0	900
ALL HOURS	61.9	11.302	7200	0	3	3195	288	2	7200

MONTH: DEC

00-02	48.6	11.397	930	0	65	107	0	0	930
03-05	47.4	12.055	930	0	86	97	0	0	930
06-08	47.0	12.319	930	0	90	98	0	0	930
09-11	52.9	11.410	930	0	41	146	1	0	930
12-14	59.2	11.809	929	0	25	342	15	0	929
15-17	61.0	11.806	930	0	15	403	19	0	930
18-20	55.4	10.666	930	0	29	205	0	0	930
21-23	51.0	10.730	930	0	47	117	0	0	930
ALL HOURS	52.8	12.572	7439	0	398	1515	35	0	7439



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	64.5	13.582	10956	0	149	6320	996	0	10956
03-05	62.7	13.829	10956	0	218	5928	328	0	10956
06-08	62.8	14.381	10953	0	249	5962	635	0	10953
09-11	69.8	14.425	10954	0	104	7324	3581	42	10954
12-14	76.2	14.664	10954	0	63	8586	5277	1192	10954
15-17	78.4	14.873	10956	0	47	8953	5779	2039	10956
18-20	73.5	14.823	10951	0	70	7974	4435	847	10951
21-23	68.0	13.885	10953	0	107	6965	2726	17	10953
ALL HOURS	69.5	15.401	87633	0	1007	58012	23757	4137	87633

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	43.2	9.770	930	107	221	16	0	0	930
03-05	42.0	10.341	930	150	198	12	0	0	930
06-08	41.3	10.618	930	184	191	12	0	0	930
09-11	45.4	10.003	930	67	295	25	0	0	930
12-14	49.1	9.784	929	44	453	32	0	0	929
15-17	50.2	9.661	929	42	492	37	0	0	929
18-20	47.6	9.474	930	48	382	23	0	0	930
21-23	45.3	9.686	930	65	286	19	0	0	930
ALL HOURS	45.5	10.396	7438	707	2518	176	0	0	7438

MONTH: FEB

00-02	46.8	10.642	846	71	327	9	0	0	846
03-05	45.4	10.954	846	98	281	7	0	0	846
06-08	44.6	11.136	846	118	275	5	0	0	846
09-11	48.6	10.670	846	62	387	22	0	0	846
12-14	52.0	10.232	846	34	520	48	0	0	846
15-17	53.1	9.874	846	30	550	64	0	0	846
18-20	50.9	9.678	846	33	479	32	0	0	846
21-23	48.6	9.965	846	44	385	19	0	0	846
ALL HOURS	48.7	10.803	6768	490	3204	206	0	0	6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.4	9.900	930	22	589	108	0	0	930
03-05	52.2	10.632	930	32	536	95	0	0	930
06-08	51.8	10.923	929	29	509	92	0	0	929
09-11	56.0	9.385	929	9	697	140	9	0	929
12-14	58.7	8.606	930	2	807	205	30	0	930
15-17	59.4	8.284	930	3	841	210	41	0	930
18-20	57.5	8.625	927	5	785	190	17	0	927
21-23	55.4	9.169	927	7	681	140	6	0	927
ALL HOURS	55.6	9.850	7432	109	5445	1180	103	0	7432

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	58.2	8.884	896	0	725	177	12	0	896
03-05	56.9	9.558	897	3	667	155	10	0	897
06-08	57.2	9.383	898	3	675	159	9	0	898
09-11	61.1	7.715	900	0	814	258	36	0	900
12-14	63.3	7.493	900	0	858	368	79	0	900
15-17	63.8	7.276	897	0	865	378	90	0	897
18-20	61.9	7.655	894	0	830	293	51	0	894
21-23	59.8	8.239	896	0	781	239	25	0	896
ALL HOURS	60.3	8.704	7178	6	6215	2027	312	0	7178

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	66.3	5.373	930	0	924	494	95	0	930
03-05	65.6	5.808	930	0	916	456	70	0	930
06-08	65.9	5.655	930	0	918	487	76	0	930
09-11	68.5	5.015	930	0	930	653	209	0	930
12-14	70.3	4.752	930	0	930	744	328	0	930
15-17	70.6	4.675	930	0	930	749	362	5	930
18-20	69.2	4.933	930	0	930	666	241	0	930
21-23	67.5	5.156	930	0	926	573	154	0	930
ALL HOURS	68.0	5.458	7440	0	7404	4822	1535	5	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	71.1	3.456	900	0	900	815	331	0	900
03-05	70.6	3.666	900	0	900	803	282	0	900
06-08	71.2	3.659	900	0	900	819	359	1	900
09-11	73.4	3.236	899	0	899	857	633	13	899
12-14	74.7	2.981	900	0	900	883	741	41	900
15-17	74.7	3.058	900	0	900	887	717	46	900
18-20	73.5	3.003	900	0	900	877	608	20	900
21-23	72.2	3.121	900	0	900	850	435	3	900
ALL HOURS	72.7	3.586	7199	0	7199	6791	4106	124	7199

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	72.1	2.246	930	0	930	914	438	0	930
03-05	71.8	2.469	930	0	930	903	416	0	930
06-08	72.5	2.450	930	0	930	902	528	0	930
09-11	74.6	1.864	930	0	930	930	805	1	930
12-14	75.1	2.017	930	0	930	930	853	10	930
15-17	74.8	2.033	930	0	930	930	809	10	930
18-20	73.6	2.173	930	0	930	927	659	1	930
21-23	72.8	2.323	930	0	930	916	543	1	930
ALL HOURS	73.4	2.560	7440	0	7440	7352	5051	23	7440

MONTH: AUG

00-02	73.0	2.199	930	0	930	915	572	4	930
03-05	72.7	2.438	929	0	929	906	526	2	929
06-08	73.3	2.515	930	0	930	904	649	1	930
09-11	75.2	1.919	930	0	930	930	853	5	930
12-14	75.4	1.900	930	0	930	930	853	14	930
15-17	75.0	2.010	929	0	929	929	829	14	929
18-20	74.0	2.229	929	0	929	926	703	4	929
21-23	73.4	2.317	930	0	930	922	633	5	930
ALL HOURS	74.0	2.499	7437	0	7437	7362	5618	49	7437

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	69.5	6.536	900	0	891	697	359	0	900	
03-05	68.6	7.243	897	0	875	656	344	0	897	
06-08	68.8	7.240	895	0	873	644	364	0	895	
09-11	72.0	5.956	899	0	895	750	553	0	899	
12-14	72.8	5.291	898	0	898	785	605	10	898	
15-17	72.2	5.061	900	0	900	787	550	4	900	
18-20	70.8	5.336	900	0	900	745	436	2	900	
21-23	69.9	6.017	900	0	898	701	386	0	900	
ALL HOURS	70.6	6.355	7189	0	7130	5765	3597	16	7189	

MONTH: OCT

00-02	62.1	8.578	930	0	850	324	122	0	930
03-05	60.8	9.310	930	4	817	303	113	0	930
06-08	60.7	9.315	930	2	819	301	100	0	930
09-11	64.7	7.943	929	0	886	442	171	0	929
12-14	66.5	7.298	930	0	904	522	218	0	930
15-17	66.5	7.009	930	0	909	522	191	0	930
18-20	64.6	7.255	930	0	890	413	136	0	930
21-23	63.1	7.913	930	0	871	351	116	0	930
ALL HOURS	63.6	8.393	7439	6	6946	3178	1167	0	7439

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.1	10.878	891	9	521	149	7	0	891
03-05	52.2	11.435	891	18	483	138	7	0	891
06-08	51.9	11.715	889	27	466	132	8	0	889
09-11	56.1	10.098	895	2	620	166	19	0	895
12-14	58.8	9.506	899	0	711	241	38	0	899
15-17	59.0	9.299	900	0	720	250	31	0	900
18-20	56.3	9.483	897	0	634	158	13	0	897
21-23	54.3	10.165	895	0	558	140	7	0	895
ALL HOURS	55.2	10.659	7157	56	4713	1374	130	0	7157

MONTH: DEC

00-02	44.5	11.775	930	119	275	32	0	0	930
03-05	43.6	12.302	930	157	267	26	0	0	930
06-08	43.0	12.532	930	166	264	30	0	0	930
09-11	47.1	11.621	930	87	374	56	1	0	930
12-14	50.5	11.033	929	44	503	67	3	0	929
15-17	51.1	10.605	930	42	509	73	1	0	930
18-20	48.3	10.616	930	67	407	42	0	0	930
21-23	46.0	11.154	930	88	324	41	0	0	930
ALL HOURS	46.8	11.816	7439	770	2923	367	5	0	7439

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	59.5	13.465	10943	328	8083	4650	1936	4	10943
03-05	58.6	13.995	10940	462	7799	4460	1768	2	10940
06-08	58.6	14.442	10937	529	7750	4487	2093	2	10937
09-11	61.9	13.240	10947	227	8657	5229	3289	19	10947
12-14	64.0	12.114	10951	124	9344	5755	3748	75	10951
15-17	64.3	11.611	10951	117	9475	5816	3621	79	10951
18-20	62.4	12.128	10943	153	8996	5292	2864	27	10943
21-23	60.8	12.828	10944	204	8470	4911	2305	9	10944
ALL HOURS	61.3	13.181	87556	2144	68574	40600	21624	217	87556



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 27	NUMBER OF GE 37	HOURS WITH LE 55	TEMPERATURES GE 65	DEG F	TOTAL HOURS
00-02	37.7	12.681	930	179	456	831	24		930
03-05	36.9	13.207	930	216	427	828	33		930
06-08	36.1	13.581	930	250	406	836	27		930
09-11	38.5	13.738	930	205	509	819	35		930
12-14	39.6	13.765	929	185	547	800	29		929
15-17	39.6	13.544	929	179	536	800	25		929
18-20	39.1	13.153	930	170	508	812	24		930
21-23	38.8	12.972	930	164	502	822	25		930
ALL HOURS	38.3	13.401	7438	1548	3891	6548	222		7438

MONTH: FEB

00-02	42.0	13.382	846	121	552	680	23		846
03-05	41.0	13.656	846	141	519	685	20		846
06-08	40.2	13.855	846	157	499	700	20		846
09-11	42.2	14.052	846	130	552	666	32		846
12-14	42.8	14.119	846	123	570	651	33		846
15-17	42.6	13.759	846	122	567	664	33		846
18-20	42.1	13.280	846	123	567	690	25		846
21-23	42.3	13.110	846	110	562	689	30		846
ALL HOURS	41.9	13.691	6768	1027	4388	5425	216		6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	48.7	13.233	930	59	744	615	134	930
03-05	48.0	13.530	930	66	715	615	117	930
06-08	47.8	13.836	929	66	707	613	118	929
09-11	49.7	13.467	929	59	756	554	135	929
12-14	49.8	13.169	930	67	789	560	138	930
15-17	49.0	13.209	930	63	752	585	134	930
18-20	48.6	13.389	927	64	749	593	126	927
21-23	49.1	13.135	927	59	759	596	140	927
ALL HOURS	48.8	13.402	7432	503	5971	4731	1042	7432

MONTH: APR

00-02	53.1	12.423	896	26	791	441	181	900
03-05	52.5	12.648	897	31	774	458	168	900
06-08	52.6	12.580	898	30	770	450	174	900
09-11	53.7	12.506	900	27	790	402	195	900
12-14	53.2	12.831	900	30	783	446	191	900
15-17	52.0	12.969	897	26	758	478	156	900
18-20	51.7	13.130	894	38	753	481	167	900
21-23	52.7	12.730	896	37	783	455	196	900
ALL HOURS	52.7	12.762	7178	245	6202	3611	1428	7178

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	63.5	7.049	930	0	927	106	490	930
03-05	63.2	7.166	930	0	927	121	490	930
06-08	63.3	7.117	930	0	927	121	492	930
09-11	63.9	7.329	930	0	926	107	527	930
12-14	63.7	7.822	930	2	920	109	510	930
15-17	63.0	8.060	930	6	918	137	474	930
18-20	62.9	7.994	930	3	918	137	475	930
21-23	63.3	7.608	930	3	924	123	479	930
ALL HOURS	63.3	7.566	7440	14	7387	961	3937	7440

MONTH: JUN

00-02	68.6	4.402	900	0	900	19	774	900
03-05	68.6	4.507	900	0	900	23	774	900
06-08	69.0	4.359	900	0	900	19	796	900
09-11	69.3	4.353	899	0	899	12	802	900
12-14	68.8	4.518	900	0	900	11	793	900
15-17	67.7	4.968	900	0	900	16	694	900
18-20	67.6	4.916	900	0	900	19	690	900
21-23	68.4	4.491	900	0	900	15	760	900
ALL HOURS	68.5	4.645	7199	0	7199	134	6083	7199

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	69.2	3.448	930	0	930	9	854	930
03-05	69.7	3.328	930	0	930	9	877	930
06-08	70.4	3.333	930	0	930	2	886	930
09-11	70.2	3.006	930	0	930	0	884	930
12-14	67.9	3.815	930	0	930	5	781	930
15-17	66.1	4.399	930	0	930	24	622	930
18-20	66.0	4.588	930	0	930	33	628	930
21-23	68.1	3.872	930	0	930	13	765	930
ALL HOURS	68.4	4.144	7440	0	7440	95	6297	7440

MONTH: AUG

00-02	70.3	3.244	930	0	930	2	877	930
03-05	70.8	3.163	929	0	929	0	886	930
06-08	71.4	3.308	930	0	930	0	892	930
09-11	70.9	2.960	930	0	930	0	898	930
12-14	68.0	3.709	930	0	930	4	789	930
15-17	66.0	4.309	929	0	929	15	616	930
18-20	66.5	4.493	929	0	929	17	655	930
21-23	68.9	3.793	930	0	930	4	821	930
ALL HOURS	69.1	4.207	7437	0	7437	42	6434	7437

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	66.5	8.385	900	0	900	124	668	900
03-05	66.3	8.805	897	0	894	129	651	897
06-08	66.5	8.805	895	0	895	124	640	895
09-11	67.5	8.315	899	0	896	94	683	899
12-14	65.8	8.179	898	0	895	112	615	898
15-17	63.9	8.372	900	0	896	133	534	900
18-20	64.0	8.264	900	0	898	138	549	900
21-23	65.5	8.252	900	0	900	138	621	900
ALL HOURS	65.7	8.539	7189	0	7174	992	4961	7189

MONTH: OCT

00-02	58.8	10.547	930	9	899	344	322	930
03-05	57.9	11.101	930	6	893	383	323	930
06-08	57.6	11.344	930	6	889	393	321	930
09-11	59.5	10.954	929	6	895	303	382	930
12-14	59.0	10.827	930	6	891	294	351	930
15-17	57.9	10.711	930	8	883	337	297	930
18-20	57.9	10.283	930	5	898	354	275	930
21-23	58.7	10.186	930	7	907	345	312	930
ALL HOURS	58.4	10.786	7439	53	7155	2753	2583	7439

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.1	13.205	891	35	697	571	162	891
03-05	48.3	13.721	891	45	671	580	157	891
06-08	48.1	14.122	889	62	665	564	154	889
09-11	50.1	13.767	895	43	719	512	163	895
12-14	50.4	13.939	899	47	709	498	171	899
15-17	49.7	13.817	900	53	699	525	145	900
18-20	49.3	13.028	897	46	706	547	129	897
21-23	49.3	12.835	895	30	716	573	146	895
ALL HOURS	49.3	13.594	7157	361	5582	4370	1227	7157

MONTH: DEC

00-02	39.0	15.097	930	182	532	791	44	929
03-05	38.4	15.446	930	211	503	787	43	929
06-08	37.7	15.597	930	225	461	789	43	929
09-11	40.2	15.652	930	177	569	765	60	929
12-14	41.1	15.668	929	166	587	751	51	929
15-17	40.8	15.343	930	169	580	764	40	929
18-20	40.2	14.952	930	173	570	783	37	929
21-23	39.8	14.848	930	171	559	788	45	929
ALL HOURS	39.7	15.380	7439	1474	4361	6218	363	7439

E - 5 - 3 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	55.6	15.782	10943	611	9258	4533	4553	10943
03-05	55.2	16.278	10940	716	9082	4618	4539	10940
06-08	55.1	16.721	10937	796	8979	4611	4563	10937
09-11	56.4	15.992	10947	647	9371	4234	4796	10947
12-14	55.9	15.308	10951	626	9451	4241	4452	10951
15-17	54.9	14.921	10951	626	9348	4478	3770	10951
18-20	54.7	14.946	10943	622	9326	4604	3780	10943
21-23	55.5	15.285	10944	581	9372	4561	4340	10944
ALL HOURS	55.4	15.673	87556	5225	74187	35880	34793	87556

E - 5 - 3 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	99.6	98.2	92.6	84.6	74.3	59.4	35.4	15.6	70.4	930
03-05	100.0	99.4	97.5	94.3	87.1	76.6	61.8	40.9	17.7	72.2	930
06-08	100.0	99.6	98.0	94.5	87.7	77.2	60.1	41.0	17.7	72.2	930
09-11	100.0	99.1	96.1	86.2	73.0	60.5	44.9	29.4	12.0	64.6	930
12-14	100.0	98.1	88.2	69.3	53.4	39.1	27.2	15.1	4.7	54.0	929
15-17	100.0	96.9	82.7	62.2	46.6	32.7	21.6	10.3	2.8	50.1	929
18-20	100.0	99.1	92.0	77.4	62.3	48.3	30.8	16.7	6.7	57.7	930
21-23	100.0	99.7	96.8	89.4	77.8	64.3	46.8	25.9	11.6	65.7	930
ALL HOURS	100.0	98.9	93.7	83.2	71.6	59.1	44.1	26.8	11.1	63.4	7438

MONTH: FEB

00-02	100.0	100.0	99.6	96.9	86.3	75.2	61.2	45.9	17.1	72.7	846
03-05	100.0	99.6	99.5	97.8	90.9	81.0	67.1	50.8	23.4	75.4	846
06-08	100.0	99.8	99.5	96.8	91.0	81.9	66.2	48.8	21.7	75.2	846
09-11	100.0	99.3	95.7	86.1	74.1	63.7	51.2	33.7	14.2	66.2	846
12-14	100.0	97.0	83.6	69.7	57.6	44.3	32.0	16.8	6.5	55.1	846
15-17	100.0	93.1	76.6	64.4	50.5	37.8	23.5	11.7	4.3	50.6	846
18-20	100.0	98.2	87.6	73.6	60.0	46.1	31.8	17.1	4.5	56.3	846
21-23	100.0	99.9	97.4	89.7	75.7	62.8	47.4	31.0	9.6	66.0	846
ALL HOURS	100.0	98.4	92.4	84.4	73.3	61.6	47.6	32.0	12.7	64.7	6768



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAR

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.2	94.8	86.2	74.8	60.5	42.3	18.9	72.0		930
03-05	100.0	99.9	99.5	96.8	89.0	81.2	68.7	50.6	23.9	75.2		930
06-08	100.0	99.7	99.7	96.7	89.7	81.5	69.5	52.5	26.2	75.8		929
09-11	100.0	99.6	95.3	85.5	74.9	62.0	47.9	30.4	12.5	65.2		929
12-14	100.0	97.5	86.0	70.2	57.1	41.1	22.3	9.2	2.8	53.1		930
15-17	100.0	95.4	76.7	61.1	46.1	30.5	15.5	4.8	2.2	47.6		930
18-20	100.0	97.2	87.1	69.4	56.3	42.9	27.6	12.4	3.6	54.1		927
21-23	100.0	99.7	96.9	88.0	72.1	60.8	46.7	28.5	9.4	64.6		927
ALL HOURS	100.0	98.6	92.5	82.8	71.4	59.4	44.8	28.8	12.4	63.4		7432

MONTH: APR

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	99.9	98.4	91.6	80.8	70.8	58.5	35.8	10.6	69.1	896
03-05	100.0	100.0	98.6	93.9	87.5	78.1	65.2	44.7	17.5	73.0	897
06-08	100.0	100.0	98.1	93.1	87.3	78.1	63.7	44.1	16.4	72.5	898
09-11	100.0	97.4	89.0	78.7	66.6	54.4	38.4	17.3	3.2	59.0	900
12-14	100.0	91.7	77.7	61.7	46.7	30.6	17.2	5.9	1.7	47.5	900
15-17	100.0	86.6	67.2	52.3	35.1	20.4	11.8	4.9	1.2	42.4	897
18-20	100.0	92.4	77.3	60.5	47.8	32.4	19.0	9.1	1.5	48.5	894
21-23	100.0	99.0	92.6	79.8	67.4	55.5	39.1	19.4	4.8	60.3	896
ALL HOURS	100.0	95.9	87.4	76.4	64.9	52.5	39.1	22.7	7.1	59.0	7178

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.8	98.1	96.8	93.1	84.1	44.8	16.6	77.9		930
03-05	100.0	100.0	100.0	99.6	97.8	95.4	88.5	55.9	20.3	80.4		930
06-08	100.0	100.0	100.0	99.7	97.6	93.0	85.2	49.0	18.6	78.9		930
09-11	100.0	99.7	98.5	95.3	88.0	71.7	41.7	16.2	5.1	66.3		930
12-14	100.0	98.3	95.8	85.5	66.9	38.5	17.8	4.3	1.7	55.4		930
15-17	100.0	98.0	92.0	76.2	52.9	28.0	12.2	4.3	1.4	51.0		930
18-20	100.0	98.7	95.4	86.6	71.8	46.6	22.0	7.0	1.4	57.5		930
21-23	100.0	99.8	98.2	96.0	91.5	80.6	57.5	18.1	5.1	69.2		930
ALL HOURS	100.0	99.3	97.5	92.1	82.9	68.4	51.1	25.0	8.8	67.1		7440

MONTH: JUN

00-02	100.0	100.0	100.0	99.7	99.7	96.8	81.9	40.3	12.1	77.9		900
03-05	100.0	100.0	100.0	99.8	99.6	98.9	93.2	56.6	17.9	81.4		900
06-08	100.0	100.0	100.0	100.0	99.7	97.8	89.0	48.2	12.9	79.7		900
09-11	100.0	100.0	99.9	99.1	94.0	70.7	36.7	9.8	2.3	65.7		899
12-14	100.0	100.0	98.2	90.1	63.2	29.9	12.3	3.3	1.0	54.4		900
15-17	100.0	100.0	95.4	73.2	46.1	23.7	10.4	4.9	.9	50.1		900
18-20	100.0	100.0	98.0	85.4	64.6	39.9	18.7	7.2	1.0	55.8		900
21-23	100.0	100.0	99.8	99.3	93.6	75.7	48.0	15.7	3.6	68.2		900
ALL HOURS	100.0	100.0	98.9	93.3	82.5	66.7	48.8	23.3	6.5	66.6		7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.7	98.8	93.7	71.6	26.2	3.4	74.5	930
03-05	100.0	100.0	100.0	100.0	99.6	98.4	91.6	51.7	13.7	80.5	930
06-08	100.0	100.0	100.0	100.0	99.8	98.4	90.6	47.2	11.5	79.8	930
09-11	100.0	100.0	100.0	98.5	91.1	61.1	24.8	3.8	.2	62.5	930
12-14	100.0	100.0	97.3	76.6	41.0	11.1	2.9	.8	.1	47.5	930
15-17	100.0	99.8	88.2	51.8	22.3	8.4	4.0	1.2	.2	42.2	930
18-20	100.0	99.8	91.8	70.2	44.6	18.6	6.9	1.6	.1	47.8	930
21-23	100.0	100.0	99.8	96.9	85.8	61.5	26.5	3.8	.6	62.1	930
ALL HOURS	100.0	99.9	97.1	86.7	72.9	56.4	39.9	17.0	3.7	62.1	7440

MONTH: AUG

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.4	94.7	72.6	29.7	6.7	75.2	930
03-05	100.0	100.0	100.0	100.0	100.0	99.4	91.7	57.4	17.7	81.4	929
06-08	100.0	100.0	100.0	100.0	100.0	99.0	93.7	58.8	18.2	81.9	930
09-11	100.0	100.0	100.0	99.4	92.5	59.1	28.4	3.1	.4	63.0	930
12-14	100.0	100.0	97.5	75.8	30.1	7.2	2.7	.8	.4	46.2	930
15-17	100.0	100.0	89.3	42.4	15.9	6.9	4.2	1.8	.6	40.8	929
18-20	100.0	100.0	95.5	68.4	42.3	16.4	7.4	2.7	1.0	47.9	929
21-23	100.0	100.0	100.0	97.7	85.8	61.5	28.9	7.7	2.0	63.0	930
ALL HOURS	100.0	100.0	97.8	85.5	70.8	55.5	41.2	20.3	5.9	62.4	7437

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								MEAN	TOTAL OBS
	30%	40%	50%	60%	70%	80%	90%					
00-02	100.0	100.0	100.0	99.3	95.2	89.2	78.0	43.2	9.2	76.3		900
03-05	100.0	100.0	100.0	99.2	98.1	92.8	87.6	63.2	19.4	80.6		897
06-08	100.0	100.0	100.0	100.0	97.5	93.4	85.5	63.8	18.4	80.6		895
09-11	100.0	100.0	99.7	95.4	85.8	68.7	45.1	14.1	2.4	65.7		899
12-14	100.0	99.9	94.9	80.7	53.7	22.3	9.7	4.0	.7	51.1		898
15-17	100.0	99.3	88.1	64.0	35.9	15.1	7.8	3.6	1.0	46.1		900
18-20	100.0	100.0	94.7	80.3	60.9	33.2	16.7	6.8	1.9	53.8		900
21-23	100.0	100.0	99.9	95.8	86.8	70.2	44.9	16.3	3.6	66.4		900
ALL HOURS	100.0	99.9	97.1	89.3	76.7	60.6	46.9	26.8	7.1	65.1		7189

MONTH: OCT

00-02	100.0	100.0	100.0	98.5	95.8	89.5	77.0	49.7	13.7	76.6		930
03-05	100.0	100.0	100.0	98.7	96.0	91.2	82.4	58.9	21.2	79.1		930
06-08	100.0	100.0	100.0	98.2	95.6	90.2	80.8	57.4	22.5	78.8		930
09-11	100.0	99.9	98.6	91.7	82.3	66.5	47.6	21.9	5.5	66.1		929
12-14	100.0	99.4	92.9	79.4	58.4	33.8	18.7	7.7	1.4	53.6		930
15-17	100.0	99.2	87.4	70.0	44.9	24.5	12.3	5.4	1.2	49.2		930
18-20	100.0	99.9	96.3	87.3	69.5	47.8	26.0	8.0	1.7	58.1		930
21-23	100.0	100.0	99.8	95.6	90.3	78.2	55.4	23.4	5.2	69.3		930
ALL HOURS	100.0	99.8	96.9	89.9	79.1	65.2	50.0	29.0	9.0	66.3		7439

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.4	97.3	92.6	83.1	70.7	45.0	18.5	75.0		891
03-05	100.0	99.9	99.0	97.5	94.1	86.4	73.8	51.3	20.3	76.6		891
06-08	100.0	99.2	98.8	97.6	94.0	86.7	74.8	50.3	22.2	76.7		889
09-11	100.0	99.2	97.2	88.3	77.5	67.5	50.8	29.2	11.4	66.3		895
12-14	100.0	97.8	88.1	73.7	62.5	43.8	24.8	9.8	2.4	54.7		899
15-17	100.0	97.1	83.6	70.6	53.2	35.0	20.7	7.4	1.3	51.3		900
18-20	100.0	99.6	96.0	85.4	72.1	56.2	33.7	15.6	5.0	61.0		897
21-23	100.0	100.0	99.6	95.6	88.3	74.1	54.7	31.3	10.5	70.0		895
ALL HOURS	100.0	99.1	95.2	88.2	79.2	66.5	50.4	29.9	11.4	66.4		7157

MONTH: DEC

00-02	100.0	99.7	98.5	94.0	85.5	75.7	58.4	33.0	13.5	70.3		930
03-05	100.0	99.6	98.6	94.4	87.3	78.3	61.2	33.1	14.7	71.5		930
06-08	100.0	99.9	98.6	94.4	88.2	77.7	58.4	32.9	14.2	70.9		930
09-11	100.0	99.6	94.9	85.9	75.6	60.9	44.1	24.7	10.4	64.1		930
12-14	100.0	96.3	85.9	72.7	57.6	41.4	26.6	12.8	5.0	54.4		929
15-17	100.0	94.5	83.0	66.0	51.6	33.9	20.0	10.6	3.8	51.0		930
18-20	100.0	98.6	91.7	81.7	66.2	51.4	34.7	16.6	4.3	59.0		930
21-23	100.0	99.7	96.7	91.6	82.7	67.8	49.0	28.0	8.2	66.8		930
ALL HOURS	100.0	98.5	93.5	85.1	74.3	60.9	44.1	24.0	9.3	63.5		7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	99.9	99.4	96.9	91.8	84.3	69.5	39.2	13.0	74.0	10943
03-05	100.0	99.9	99.4	97.7	93.9	88.2	77.8	51.2	18.9	77.3	10940
06-08	100.0	99.8	99.4	97.6	94.0	87.9	76.5	49.5	18.4	76.9	10937
09-11	100.0	99.5	97.1	90.9	81.3	63.9	41.7	19.4	6.6	64.6	10947
12-14	100.0	98.0	90.6	75.5	53.9	31.8	17.8	7.5	2.3	52.2	10951
15-17	100.0	96.7	84.3	62.8	41.7	24.7	13.6	5.9	1.7	47.7	10951
18-20	100.0	98.6	92.0	77.2	59.9	39.9	22.9	10.0	2.7	54.8	10943
21-23	100.0	99.8	98.1	93.0	83.2	67.8	45.4	20.7	6.1	66.0	10944
ALL HOURS	100.0	99.0	95.0	86.4	75.0	61.1	45.6	25.4	8.7	64.2	87556

E - 6 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	1021.3	1018.9	1015.8	1014.1	1012.7	1013.4	1015.4	1014.7	1015.2	1017.3	1017.9	1020.7	1016.5
	SD	6.295	7.288	6.912	5.740	4.033	2.840	2.204	2.254	3.290	4.722	6.102	7.403	5.899
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0300	MEAN	1020.8	1018.5	1015.2	1013.5	1012.0	1012.9	1015.2	1014.5	1014.9	1016.9	1017.4	1020.2	1016.0
	SD	6.406	7.276	6.937	5.690	4.038	2.890	2.212	2.267	3.355	4.777	6.080	7.470	5.928
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0600	MEAN	1020.9	1018.8	1015.7	1014.1	1012.6	1013.5	1015.8	1014.9	1015.4	1017.4	1017.7	1020.4	1016.4
	SD	6.471	7.330	6.938	5.719	4.132	2.966	2.207	2.319	3.416	4.927	6.197	7.526	5.908
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0900	MEAN	1022.5	1020.4	1017.3	1015.5	1013.8	1014.6	1016.8	1016.0	1016.6	1018.9	1019.2	1022.0	1017.8
	SD	6.549	7.383	7.053	5.702	4.211	2.939	2.227	2.324	3.504	4.993	6.257	7.523	6.023
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
1200	MEAN	1022.2	1020.2	1016.7	1014.9	1013.1	1013.9	1016.1	1015.2	1015.9	1018.1	1018.4	1021.5	1017.2
	SD	6.501	7.452	7.017	5.747	4.132	2.947	2.256	2.374	3.477	5.007	6.252	7.432	6.062
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1500	MEAN	1019.3	1017.3	1013.9	1012.5	1011.1	1011.9	1014.0	1012.9	1013.4	1015.6	1015.8	1018.9	1014.7
	SD	6.549	7.387	6.904	5.793	4.024	2.963	2.301	2.427	3.460	4.912	6.256	7.260	5.921
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1800	MEAN	1019.5	1017.1	1013.4	1011.7	1010.0	1010.8	1012.7	1011.8	1013.0	1015.5	1016.1	1019.2	1014.2
	SD	6.532	7.342	6.900	5.754	4.020	3.022	2.428	2.507	3.482	4.897	6.206	7.262	6.151
	TOT OBS	310	282	309	300	310	300	310	310	300	309	300	310	3650
2100	MEAN	1020.8	1018.6	1015.1	1013.4	1011.8	1012.2	1014.1	1013.5	1014.7	1017.0	1017.6	1020.6	1015.8
	SD	6.514	7.304	6.916	5.672	3.962	2.929	2.260	2.453	3.405	4.895	6.250	7.295	6.082
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	1020.9	1018.7	1015.4	1013.7	1012.1	1012.9	1015.0	1014.2	1014.9	1017.1	1017.5	1020.5	1016.1
	SD	6.563	7.429	7.052	5.844	4.222	3.154	2.574	2.691	3.609	5.011	6.287	7.461	6.099
	TOT OBS	2480	2256	2477	2400	2480	2400	2480	2480	2400	2479	2400	2479	29211

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX

PERIOD OF RECORD: APR 80 - MAR 90

LST - UTC: + 6

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	30.17	30.10	30.02	29.97	29.93	29.96	30.02	30.00	30.01	30.07	30.08	30.15	30.04
	SD	.181	.210	.200	.166	.117	.083	.065	.067	.096	.136	.175	.212	.168
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
0300	MEAN	30.15	30.09	30.00	29.95	29.91	29.94	30.01	29.99	30.00	30.06	30.06	30.14	30.03
	SD	.185	.209	.200	.164	.118	.084	.065	.067	.097	.138	.174	.214	.169
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0600	MEAN	30.16	30.10	30.01	29.97	29.93	29.96	30.03	30.01	30.01	30.07	30.07	30.14	30.04
	SD	.186	.211	.200	.165	.121	.087	.065	.068	.098	.142	.178	.215	.168
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0900	MEAN	30.20	30.14	30.06	30.01	29.97	29.99	30.06	30.04	30.05	30.11	30.11	30.19	30.08
	SD	.189	.212	.205	.165	.123	.086	.066	.068	.101	.144	.180	.215	.171
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1200	MEAN	30.20	30.14	30.04	29.99	29.95	29.97	30.04	30.01	30.03	30.09	30.09	30.17	30.06
	SD	.187	.214	.203	.166	.121	.086	.066	.070	.100	.144	.180	.213	.172
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1500	MEAN	30.11	30.05	29.96	29.92	29.89	29.92	29.98	29.95	29.96	30.02	30.02	30.10	29.99
	SD	.189	.212	.200	.167	.117	.086	.067	.071	.100	.142	.180	.207	.168
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1800	MEAN	30.11	30.05	29.94	29.90	29.86	29.88	29.94	29.91	29.94	30.01	30.02	30.11	29.97
	SD	.188	.211	.200	.167	.117	.088	.071	.074	.100	.141	.178	.207	.175
	TOT OBS	310	282	309	300	309	300	310	310	300	310	300	310	3650
2100	MEAN	30.15	30.09	29.99	29.95	29.91	29.92	29.98	29.96	30.00	30.06	30.07	30.15	30.02
	SD	.188	.209	.200	.164	.116	.085	.067	.072	.098	.141	.180	.209	.172
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	30.16	30.10	30.00	29.96	29.92	29.94	30.01	29.98	30.00	30.06	30.07	30.14	30.03
	SD	.189	.213	.204	.169	.123	.092	.076	.079	.104	.144	.181	.214	.174
	TOT OBS	2480	2255	2478	2400	2479	2400	2480	2480	2400	2480	2400	2480	29212

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	29.42	29.36	29.27	29.23	29.19	29.22	29.28	29.26	29.27	29.32	29.33	29.41	29.30
	SD	.178	.205	.196	.162	.115	.080	.061	.064	.092	.132	.171	.208	.164
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
0300	MEAN	29.41	29.34	29.26	29.21	29.17	29.20	29.27	29.25	29.26	29.31	29.32	29.39	29.28
	SD	.181	.204	.196	.161	.116	.082	.062	.064	.094	.134	.170	.209	.165
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0600	MEAN	29.41	29.35	29.27	29.23	29.19	29.22	29.29	29.26	29.27	29.32	29.32	29.40	29.29
	SD	.182	.206	.196	.161	.118	.085	.061	.065	.095	.138	.174	.211	.164
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0900	MEAN	29.45	29.40	29.31	29.27	29.22	29.25	29.31	29.29	29.31	29.37	29.37	29.44	29.33
	SD	.185	.208	.200	.161	.120	.083	.062	.065	.097	.141	.176	.211	.167
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1200	MEAN	29.45	29.39	29.30	29.25	29.20	29.23	29.29	29.27	29.29	29.34	29.35	29.43	29.32
	SD	.184	.209	.199	.162	.118	.083	.062	.066	.097	.141	.176	.209	.168
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1500	MEAN	29.37	29.31	29.22	29.18	29.15	29.17	29.24	29.20	29.22	29.27	29.27	29.35	29.25
	SD	.185	.207	.196	.164	.116	.085	.065	.070	.097	.138	.176	.203	.165
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1800	MEAN	29.37	29.30	29.20	29.16	29.12	29.14	29.20	29.17	29.20	29.27	29.28	29.36	29.25
	SD	.184	.206	.196	.164	.115	.088	.069	.073	.098	.137	.174	.203	.171
	TOT OBS	310	282	309	300	309	300	310	310	300	310	300	310	3650
2100	MEAN	29.41	29.35	29.25	29.21	29.16	29.18	29.24	29.22	29.25	29.31	29.32	29.40	29.28
	SD	.184	.204	.196	.161	.114	.084	.064	.070	.095	.137	.176	.205	.168
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	29.41	29.35	29.26	29.22	29.18	29.20	29.26	29.24	29.26	29.31	29.32	29.40	29.28
	SD	.185	.209	.200	.166	.121	.090	.072	.076	.101	.140	.177	.209	.169
	TOT OBS	2480	2255	2478	2400	2479	2400	2480	2480	2400	2480	2400	2480	29210



PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.3	.1		930	1.7	.2		930	2.9			930	6.7	.6		930
CATEGORY B	4.3	1.1		1003	3.5	1.1	.1	1029	4.9	1.9		1072	7.7	2.6	.2	1082

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.8	.6		930	6.3	.6		930	3.7	.1		930	3.8	.1		930
CATEGORY B	8.0	2.1		1020	7.7	1.9		987	4.9	.9		979	4.7	1.2	.1	999

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.3	.4		4650	4.3	.3		7440
CATEGORY B	6.6	1.9	.0	5140	5.7	1.6	.0	8171

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.6			846	2.7	.1		846	3.5			846	7.1	.2		846
CATEGORY B	5.0	.5		939	5.0	1.0		941	5.5	1.5		981	8.0	2.2		972

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.1	.6		846	4.5	.5		846	3.7	.1		846	4.0			846
CATEGORY B	8.0	2.0	.2	934	6.8	1.3	.1	894	5.7	.9	.1	899	5.0	.7		923

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.8	.3		4230	4.2	.2		6768
CATEGORY B	6.8	1.6	.1	4680	6.1	1.3	.1	7483



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 30 - MAR 90  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.0	.3		930	1.3	.1		930	1.7			930	5.9	.3		930
CATEGORY B	4.0	1.2	.1	1019	3.5	.8		1047	3.1	.6		1079	9.4	2.3	.2	1059

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.9	.6		930	6.2	1.1		930	3.7	.2		927	2.7	.5		927
CATEGORY B	10.1	3.0	.3	994	9.7	3.5	.1	965	5.9	1.3		963	5.7	1.6	.3	995

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.9	.5		4647	3.9	.4		7434
CATEGORY B	7.6	2.1	.1	5060	6.4	1.8	.1	8121

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 55-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.8	.1		900	3.3	.1		900	4.1	.2		900	8.0	.7		900
CATEGORY B	4.4	1.0		954	4.1	1.5		972	5.3	1.0		1053	10.3	3.3		991

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.3	.7		900	5.8	.2		900	5.3	.2		900	3.1	.4		900
CATEGORY B	10.7	3.6	.2	935	9.4	2.5		927	7.3	1.6		935	5.1	1.5		944

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.1	.4		4500	5.0	.3		7200
CATEGORY B	8.6	2.4	.0	4841	7.1	2.0	.0	7711

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.2	.3		930	1.8	.2		930	4.0	.2		930	4.5	.2		930
CATEGORY B	2.9	1.0		1027	3.6	1.3	.1	1058	5.4	1.5	.1	1086	5.6	.8	.1	1029

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.2	.1		930	5.6	.5		930	6.1	.1		930	3.2			930
CATEGORY B	6.5	.8	.1	995	8.0	1.5	.1	976	9.6	1.2	.2	970	5.1	1.2	.1	981

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.9	.2		4650	4.0	.2		7440
CATEGORY B	7.0	1.2	.1	5056	5.8	1.2	.1	8122

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.0			900	.8			900	1.1			900	2.2	.2		899
CATEGORY B	1.5	.6		980	.9	.2		998	1.5	.1		1020	3.2	1.1		986

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.3	.1		900	3.9	.2		900	3.3			900	.7			900
CATEGORY B	3.7	.9	.1	952	6.4	.8		933	5.7	.6		926	2.7	.7	.1	956

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.6	.1		4499	1.9	.1		7199
CATEGORY B	4.0	.7	.0	4817	3.2	.6	.0	7751

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.3			930	.1			930	.1			930	.6			930
CATEGORY B	.4			976	.1			1016	.1			1059	.9			969

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.9			930	2.7			930	2.3	.2		930	.4			930
CATEGORY B	2.1	.3		950	3.9	.6		960	3.1	.5	.1	947	.5			941

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.3	.0		4650	.9	.0		7440
CATEGORY B	2.0	.3	.0	4885	1.4	.2	.0	7818

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.5	.1		930	.3	.2		930	.8	.1		930	1.0	.1		930
CATEGORY B	.5	.4	.1	967	.3	.3		993	.8	.3		1056	1.0	.2		968

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.3	.5		930	3.3	.3		930	3.5	.5		930	1.7	.3		930
CATEGORY B	2.9	1.1	.1	939	5.3	2.1	.2	962	4.7	2.0	.2	956	2.2	.4	.2	941

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.2	.3		4650	1.7	.3		7440
CATEGORY B	2.9	1.1	.1	4881	2.2	.8	.1	7782

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPRTD WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.9			900	.7			900	.3			900	2.7			900
CATEGORY B	1.3	.1		943	1.1	.1	.1	962	.9	.3		1002	3.7	.8		958

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.8	.1		900	5.2	.4		900	3.7	.2		900	2.3	.1		900
CATEGORY B	6.3	1.2		933	8.9	2.1	.6	948	5.1	.9		917	3.3	.8		914

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.1	.2		4500	2.4	.1		7200
CATEGORY B	4.9	1.1	.1	4758	3.8	.8	.1	7577

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100																			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS																
CATEGORY A	.5	.1		930	1.1	.1		930	1.5			930	2.7	.2		930																
CATEGORY B	.8	.5		982	2.4	.7		1007	2.3	.7		1036	4.2	1.9	.1	1011																
.....																																
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300																			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS																
CATEGORY A	1.9			930	1.6			930	1.1			930	1.0			930																
CATEGORY B	3.5	.7		958	2.5	.2		949	1.7	.2		952	1.5	.2		964																
.....																																
.....																																
TIME (LST)	0600 - 2000								ALL HOURS																							
SPEED KTS	GE10				GE15				GE25				OBS																			
CATEGORY A	1.8				.0				4650				1.4				.1				7440											
CATEGORY B	2.9				.8				.0				4906				2.4				.6				.0				7859			



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.3	.3		900	1.8	.1		900	.9	.1		900	1.9	.1		900
CATEGORY B	1.8	.6		974	3.1	1.0		1016	2.1	.6		1037	3.2	.5		1011

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.4	.1		900	2.6	.3		900	2.4	.6		900	1.8	.2		900
CATEGORY B	4.1	.8		959	3.4	.9		934	3.3	1.2		937	2.5	.5		962

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.0	.2		4500	1.9	.2		7200
CATEGORY B	3.2	.8		4878	2.9	.8		7830

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.6	.2		930	1.6	.3		930	2.6	.1		930	4.9	.3		930
CATEGORY B	4.3	1.1	.5	1000	3.1	.8	.4	1022	4.2	.9	.1	1022	8.1	2.5	.1	1048

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.3	.2		930	4.2			930	2.4	.3		930	3.8	.1		930
CATEGORY B	8.0	1.5		985	5.7	1.5		972	4.9	.7		977	5.3	.8		1005

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.9	.2		4650	3.4	.2		7440
CATEGORY B	6.2	1.4	.0	5004	5.5	1.2	.1	8031

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: APR 80 - MAR 90  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.7	.1		10956	1.4	.1		10956	2.0	.1		10956	4.0	.3		10955
CATEGORY B	2.6	.7	.1	11764	2.6	.7	.1	12061	3.0	.8	.0	12503	5.5	1.5	.1	12084

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.1	.3		10955	4.8	.2		10956	3.4	.2		10953	2.4	.2		10953
CATEGORY B	6.2	1.5	.1	11181	6.2	1.5	.1	11407	5.2	1.0	.1	11358	3.7	.8	.1	11525

TIME (LST)	ALL HOURS				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.1	.3		10955	2.9	.2		87641
CATEGORY B	6.2	1.5	.1	11407	4.4	1.1	.1	94256



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 38 - MAR 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1938	366	170	45	78	3		****			20	268	320	1270
1939	346	316	95	34						15	197	268	1271
1940	664	295	132	****	****					16	220	281	1608
1941	312	352	263	20						18	207	316	1488
1942	460	328	161	20	2				9	9	140	255	1384
1943	408	151	203	1					6	16	192	388	1365
1944	387	191	127	15	8	****			****	6	170	419	1323
1945	331	224	20	51	2				2	37	88	372	1127
1946	429	218	55	2	3					12	133	237	1089
1947	452	389	225	43							192	321	1622
1948	535	320	190	****						19	****	246	1310
1949	516	202	96	69						30	54	220	1187
1950	196	174	131	30							167	287	985
1951	356	268	120	26	1						229	260	1260
1952	169	150	121	34						26	213	343	1056
1953	204	233	31	19	11					8	146	433	1085
1954	271	89	171	6	6					17	96	196	852
1955	324	232	138	10						12	188	291	1195
1956	351	231	118	13							195	232	1140
1957	338	108	102	56	3				1	63	238	243	1152
1958	409	379	241	10						67	137	395	1638
1959	469	306	176	93						25	371	311	1751
1960	467	432	288	24	5					25	159	499	1899
1961	565	297	110	73						35	243	370	1693
1962	601	107	210	28						8	167	390	1511
1963	575	344	87	15	2						142	588	1753

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1964	447	445	169	18			41	145	402	1667
1965	337	408	324	16	1	3	65	61	274	1489
1966	559	395	156	14	1		21	91	393	1630
1967	404	294	57			3	28	123	392	1301
1968	444	466	263	43			6	236	360	1818
1969	329	282	289	5	2		42	201	267	1417
1970	563	244	224	31	5	2	69	242	193	1573
1971	284	254	108	58	3	2		136	239	1084
1972	343	231	52	6			****	310	489	1431
1973	589	412	80	126	5		1	54	314	1581
1974	395	230	66	20		1	11	214	399	1336
1975	320	293	138	26		1	17	193	381	1369
1976	458	174	140	15	16		112	320	506	1741
1977	643	271	135	29			18	119	332	1552
1978	595	479	163	15			3	120	350	1725
1979	617	341	98	23	1		23	255	332	1690
1980	352	324	134	23			50	221	258	1362
1981	318	249	99			3	57	127	366	1219
1982	383	347	109	49			33	174	323	1418
1983	435	319	157	63		3	5	99	583	1664
1984	514	293	80	12		6	15	163	179	1262
1985	566	369	71	17		4	3	89	425	1544
1986	294	174	50	7			6	176	369	1076
1987	398	211	171	92				193	304	1369
1988	508	273	137	34				108	268	1328
1989	295	387	174	42			42	135	599	1674
1990	230	153	146							529
MEAN	417	279	140	31	1	0	22	173	341	
SD	121.39	95.34	69.30	27.08	3.11	1.89	23.20	67.28	98.81	
****SPL 30YR SUMMATION (1951 -1980)****										
MEAN	425	290	150	29	2	0	27	185	347	
SD	129.12	106.19	74.46	27.60	3.67	.90	27.05	74.98	95.65	

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722535

STATION NAME: KELLY AFB TX  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 38 - MAR 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1938	17	64	141	170	344	545	****	637	452	259	66	7	2702
1939	5	10	98	226	469	583	650	572	486	279	12	9	3399
1940		23	69	****	****	440	564	611	389	199	36	6	2337
1941	5	1	6	126	359	486	614	647	521	368	23	4	3160
1942		6	53	184	380	593	563	609	390	221	128	19	3146
1943	10	19	53	264	445	538	637	706	397	177	32	7	3285
1944	7	44	67	175	292	****	671	643	****	221	97		2217
1945	1	21	152	177	377	562	646	653	502	202	112	14	3419
1946	5	13	90	257	380	471	670	636	464	306	60	33	3405
1947	5	2	39	201	370	578	658	602	507	414	38	29	3463
1948	1	27	124	****	457	627	653	667	431	251	****	37	3275
1949	13	40	75	129	463	538	623	622	547	270	58	25	3403
1950	83	47	97	170	459	561	668	635	519	353	95	14	3701
1951	10	47	121	211	385	569	725	742	533	318	92	43	3796
1952	74	33	47	119	326	559	657	730	435	129	81	5	3195
1953	8	31	213	231	440	687	739	669	467	254	37	18	3794
1954	30	45	161	318	387	617	724	735	580	320	21	43	3981
1955	18	40	174	329	482	552	654	658	547	255	96	16	3821
1956	25	69	115	208	462	623	671	656	502	303	33	31	3698
1957	23	95	68	156	319	522	701	682	413	169	47	12	3207
1958		6	20	159	372	582	670	687	486	198	74	1	3255
1959	10	11	24	123	397	577	623	635	528	209	31	6	3174
1960	14		19	164	316	582	594	598	406	280	55	4	3032
1961		20	103	172	441	482	502	499	443	188	18	17	2885
1962		64	38	179	412	521	695	695	481	366	34	6	3491
1963		10	115	325	441	595	631	668	477	273	62		3597

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1964			29	227	414	518	671	667	465	89	89	22	3191
1965	20	1	18	200	303	480	592	572	482	121	49	14	2852
1966	5	6	40	213	329	489	653	599	426	174	122	27	3083
1967	18	6	182	388	408	624	635	530	339	136	53	3	3322
1968	13		29	126	402	514	579	638	313	237	34	3	2888
1969	13	8	10	137	271	491	686	652	432	201	79	1	2981
1970	4	4	27	237	293	470	668	647	455	152	27	53	3037
1971	20	30	152	162	371	502	572	418	434	227	64	36	2988
1972	12	27	120	307	329	520	565	534	544	****	21	5	2984
1973	4	1	34	86	324	413	552	537	435	250	145	1	2782
1974	15	20	187	214	429	489	635	594	264	179	45	7	3078
1975	37	3	66	172	304	459	540	544	348	219	85	26	2803
1976	1	45	120	90	149	474	496	597	444	69	5		2490
1977		2	49	103	313	500	627	660	562	225	42	9	3092
1978	4	10	43	216	477	588	718	581	428	192	98	14	3369
1979	2	15	57	158	310	423	545	556	376	285	39	11	2777
1980	11	18	87	196	365	651	735	645	562	257	37	30	3594
1981	3	44	57	293	400	505	601	601	409	240	36	1	3190
1982	35	16	172	216	333	551	669	668	480	214	87	30	3471
1983			24	154	350	501	605	654	443	239	138	22	3130
1984		12	135	264	413	542	616	631	462	282	65	51	3473
1985		11	121	209	429	520	598	705	487	279	113	11	3483
1986	1	71	73	243	321	477	622	693	572	234	56	10	3373
1987		7	28	131	322	511	624	677	476	272	63	20	3131
1988	6	26	74	186	358	546	621	677	473	247	129	26	3369
1989	29	24	115	229	541	577	687	679	457	256	79		3673
1990	28	31	50										109
.....													
MEAN	12	23	82	198	377	536	633	631	460	236	63	16	
SD	16.62	21.88	53.15	65.14	68.96	58.59	56.71	62.13	66.27	68.90	35.16	14.02	
*****SPL 30YR SUMMATION (1951 -1980)*****													
MEAN	13	22	82	197	365	535	635	620	453	216	57	15	
SD	15.11	23.83	60.13	75.03	72.16	67.04	68.77	74.74	75.91	71.21	32.87	14.61	
H - 3 - 1A													

A W S CLIMATIC BRIEF	STATION NAME: KELLY AFB TX												FIELD ELEV: 690 FT		
	LATITUDE/LONGITUDE: 29 23 N 098 35 W												STATION MSC: 722535		
	HOURLY OBS POR: APR 80 - MAR 90												CALL SIGN: KSKF		
	SUMMARY OF DAY POR: SEP 37 - MAR 90														
AUG 90	HOURS SUMMARIZED: 0000 - 2300 LST												SUPERSEDES: NOV 85		
	LST TO UTC: +06														
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
EXTRM MAX TEMP (F)	90	96	101	108	104	107	108	107	104	100	93	89	108	54	
MEAN MAX TEMP (F)	62	66	74	80	86	92	95	95	90	82	71	64	80	54	
MEAN TEMP (F)	51	55	63	70	77	82	85	85	80	71	61	54	70	54	
MEAN MIN TEMP (F)	41	45	51	60	67	73	75	74	70	61	50	43	59	54	
EXTRM MIN TEMP (F)	4	9	21	31	46	55	62	59	41	34	21	9	4	54	
D/W TEMP GE 100 (F)	0	0	#	#	1	1	4	5	1	#	0	0	12	54	
D/W TEMP GE 90 (F)	#	1	1	3	9	22	28	27	17	4	1	31	144	54	
D/W TEMP LT 33 (F)	6	3	1	#	0	0	0	0	0	0	1	4	15	54	
D/W TEMP LT 20 (F)	1	#	0	0	0	0	0	0	0	0	0	1	2	54	
HEATING DEGREE DAYS	417	279	140	31	1	0	0	0	#	22	173	34	1404	53	
COOLING DEGREE DAYS	12	23	82	198	377	536	633	631	460	236	63	16	3267	53	
MEAN DEWPOINT TEMP (F)	38	41	48	52	63	68	68	69	65	58	49	39	55	10	
MEAN WET BULB TEMP (F)	45	48	55	60	68	72	73	74	70	63	55	46	61	10	
99.95% WCPA (FT)	1050	1150	1250	1150	1050	950	850	850	900	1000	1100	1150	1100	10	
MEAN REL HUM 07 LST(%)	72.2	75.2	75.8	72.5	78.9	79.7	79.8	81.9	80.6	78.8	76.7	70.9	76.9	10	
MEAN REL HUM 13 LST(%)	54.0	55.1	53.1	47.5	55.4	54.4	47.5	46.2	51.1	53.6	54.7	54.4	52.2	10	
MAX 24HR PRECIP (IN)	3.49	2.41	3.34	3.43	4.67	4.74	3.99	4.94	8.05	4.95	4.28	3.66	8.05	54	
MAX PRECIP (IN)	9.04	5.89	3.72	10.19	10.24	13.51	6.12	15.07	13.50	9.02	5.06	6.39	48.28	54	
MEAN PRECIP (IN)	1.44	1.74	1.35	2.36	3.61	3.08	1.61	2.62	3.77	3.13	1.85	1.34	28.08	54	
MIN PRECIP (IN)	.02	#	.03	.06	.08	#	#	#	.06	.00	#	.01	8.96	54	
D/W PRECIP GE .01 (IN)	7	7	6	7	8	6	4	5	6	6	6	7	75	54	
D/W PRECIP GT .50 (IN)	1	1	1	2	2	2	1	1	2	2	1	1	17	54	
MAX 24HR SNFL (IN)	13.7	2.5	#	0	0	0	0	0	0	0	#	#	13.7	44	
MAX SNFL (IN)	20.0	3.9	#	0	0	0	0	0	0	0	#	#	20.0	44	
MEAN SNFL (IN)	.6	.2	#	0	0	0	0	0	0	0	#	#	.8	44	
D/W SNFL GE .1 (IN)	1	1	0	0	0	0	0	0	0	0	0	0	2	44	
D/W SNFL GE 1.5 (IN)	#	#	0	0	0	0	0	0	0	0	0	0	#	44	
MAX DLY SN DEPTH (IN)	12	4	0	0	0	0	0	0	0	0	0	#	12	44	
PRVING WND DIR (DEG)	\$02-04	\$35-01	14-16	14-16	14-16	14-16	14-16	14-16	\$14-16	\$14-16	\$35-01	\$02-04	14-16	10	
MEAN WND SPD (KTS)	5	6	6	6	7	6	5	5	5	5	5	5	5	10	
MAX WND SPD (KTS)	55	50	55	57	66	65	51	70	50	60	59	69	70	43	
SKY COVER GT 5/10 (%)	56.4	57.3	56.1	56.4	62.1	49.7	35.7	36.0	40.4	45.8	54.1	56.0	50.4	10	
D/W THUNDERSTORMS	1	2	2	4	6	5	3	5	4	3	1	1	37	41	
D/W FOG (VSBY LT 7 MI)	13	12	12	13	13	6	3	3	8	11	12	12	118	41	
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

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		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	30.4	35.9	39.6	35.2	41.6	34.7	12.6	11.1	21.1	30.1	36.6	33.4	30.2	10
	03 - 05	34.9	43.5	48.7	47.2	59.7	57.7	42.0	32.2	37.7	39.2	45.0	37.8	43.8	10
	06 - 08	37.2	44.0	49.6	49.3	59.2	60.4	47.4	39.7	40.4	43.9	46.1	39.8	46.4	10
	09 - 11	33.7	43.5	44.6	41.6	42.9	32.6	15.6	14.6	25.2	34.7	40.9	38.6	34.0	10
	12 - 14	26.9	33.6	27.5	20.8	16.5	7.4	2.3	1.6	5.4	13.5	23.4	27.4	17.2	10
	15 - 17	18.5	21.9	13.2	9.6	5.9	3.6	.9	1.1	2.7	6.9	14.0	21.1	9.9	10
	18 - 20	17.0	18.4	12.3	8.7	7.7	1.3	.5	1.0	3.3	6.3	16.2	21.1	9.5	10
	21 - 23	24.2	27.0	25.4	18.0	18.8	7.4	1.7	2.0	5.6	16.7	24.1	27.0	16.5	10
ALL	27.8	33.5	32.6	28.8	31.5	25.6	15.4	12.9	17.7	23.9	30.8	30.8	25.9	10	
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	19.0	25.9	28.0	23.1	26.8	15.3	5.8	6.0	11.2	17.5	24.3	23.4	18.9	10
	03 - 05	23.5	33.1	36.0	31.2	41.7	34.8	27.5	19.7	23.4	25.3	30.4	26.7	29.4	10
	06 - 08	26.0	34.3	37.8	33.7	36.6	33.6	30.0	24.3	26.2	31.4	31.8	27.8	31.1	10
	09 - 11	23.1	30.9	27.3	19.4	14.4	6.3	2.9	2.7	7.3	17.2	24.4	24.9	16.7	10
	12 - 14	14.2	18.4	10.4	5.9	3.5	1.6	.6	.4	.8	4.7	9.2	13.7	6.9	10
	15 - 17	8.8	12.2	4.7	3.0	1.3	1.8	.3	.9	.9	2.5	5.7	11.2	4.4	10
	18 - 20	8.9	10.9	4.3	3.3	1.7	.6	.3	.6	1.6	2.3	5.6	11.5	4.3	10
	21 - 23	13.1	17.0	13.2	8.3	6.3	2.6	.6	1.3	2.1	6.9	12.2	18.4	8.5	10
	ALL	17.1	22.8	20.2	16.0	16.5	12.1	8.5	7.0	9.2	13.5	18.0	19.7	15.0	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	14.9	16.9	15.4	8.6	7.5	5.4	1.0	.9	2.2	6.2	14.4	17.7	9.3	10
	03 - 05	18.0	23.4	21.7	15.9	16.6	15.1	4.3	1.9	5.0	12.8	21.2	21.2	14.8	10
	06 - 08	20.4	24.0	26.3	20.6	15.7	12.3	6.3	3.4	8.1	15.8	22.1	21.1	16.3	10
	09 - 11	16.1	18.9	14.6	7.3	4.7	1.1	.5	.5	1.0	7.1	14.6	16.6	8.6	10
	12 - 14	7.7	9.0	4.2	1.9	1.8	.3	.0	.1	.4	1.5	4.2	8.3	3.3	10
	15 - 17	4.7	7.7	2.3	.9	.3	.4	.1	.4	.4	.8	2.3	6.7	2.2	10
	18 - 20	6.2	7.9	2.9	1.7	.5	.4	.0	.3	.4	1.4	3.2	6.2	2.6	10
	21 - 23	9.6	9.2	5.4	3.3	1.5	.9	.2	.5	.4	2.0	8.0	10.4	4.3	10
	ALL	12.2	14.6	11.6	7.5	6.1	4.5	1.6	1.0	2.3	6.0	11.3	13.5	7.6	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	2.9	1.1	.5	.0	.2	.0	.0	.0	.0	.1	1.2	3.3	.8	10
	03 - 05	4.4	1.8	1.2	.9	.1	.0	.0	.0	.0	.4	4.5	5.9	1.6	10
	06 - 08	5.4	3.0	1.2	1.2	.0	.0	.0	.0	.0	1.1	4.7	4.9	1.8	10
	09 - 11	3.0	1.1	.1	.0	.0	.0	.0	.0	.0	.0	1.3	2.5	.7	10
	12 - 14	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	10
	15 - 17	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
	18 - 20	.4	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.5	.1	10
	21 - 23	1.3	.8	.0	.0	.0	.0	.0	.0	.0	.2	.2	.8	.3	10
	ALL	2.2	1.0	.4	.3	.0	.0	.0	.0	.0	.2	1.4	2.3	.7	10
HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1900 - 1986															
HR/TS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN		
60NM	0/0	0/0	0/0	0/0	0/0	0/2	1/2	0/1	0/1	0/0	0/0	0/0	1/6		
120NM	0/0	0/0	0/0	0/0	0/0	4/7	2/6	1/5	2/4	0/1	0/0	0/0	9/23		
240NM	0/0	0/0	0/0	0/0	0/0	7/10	7/12	14/19	10/13	1/2	0/0	0/0	39/56		
REMARKS : NONE															

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